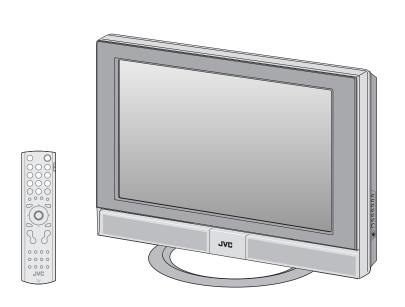
## JVC

### **SCHEMATIC DIAGRAMS**

WIDE LCD PANEL TELEVISION

# LT-26S60BU, LT-26S60SU, LT-32S60BU, LT-32S60BU

CD-ROM No.SML200506





### LT-26S60BU, LT-26S60SU, LT-32S60BU, LT-32S60SU STANDARD CIRCUIT DIAGRAM

#### ■ NOTE ON USING CIRCUIT DIAGRAMS

#### 1.SAFETY

The components identified by the A symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

#### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and

(5)Voltage values

: Original setting position variable resistor

when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time 20µs / div

: V

: Othters  $\Rightarrow$  Sweeping time is

specified

: All DC voltage values

5ms / div

\* Since the voltage values of signal circuit vary to some extent

according to adjustments, use them as reference values.

#### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board : R209 → R209

#### 4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit : [Ω] Κ :  $[k\Omega]$ M : [MΩ]

Rated allowable power

No indication : 1/16 [W] Others : As specified

Type

No indication : Carbon resistor

OMR : Oxide metal film resistor **MFR** : Metal film resistor **MPR** : Metal plate resistor

FR : Fusible resistor

\* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

: Uninflammable resistor

#### (2)Capacitors

**UNFR** 

Capacitance value

1 or higher : [pF] less than 1 : [µF]

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V] AC indicated : AC withstand voltage [V]

\* Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor MM Metalized mylar capacitor PP Polypropylene capacitor

**MPP** Metalized polypropylene capacitor

MF : Metalized film capacitor TF : Thin film capacitor

BP : Bipolar electrolytic capacitor TAN

: Tantalum capacitor

(3)Coils

No unit : [µH]

Others : As specified

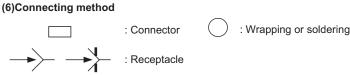
(4)Power Supply

: B2 (12V) : 9V : 5V

\*Respective voltage values are indicated

#### (5)Test point





#### (7)Ground symbol

: LIVE side ground

: ISOLATED(NEUTRAL) side ground

: EARTH ground : DIGITAL ground

#### **5.NOTE FOR REPAIRING SERVICE**

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: ( \( \Lambda \)) side GND and the ISOLATED(NEUTRAL): ( , ) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

#### **NOTE**

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in

When ordering parts, please use the numbers that appear in the Parts List.

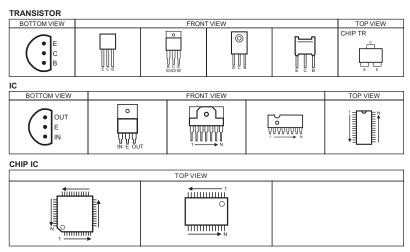
#### **CONTENTS**

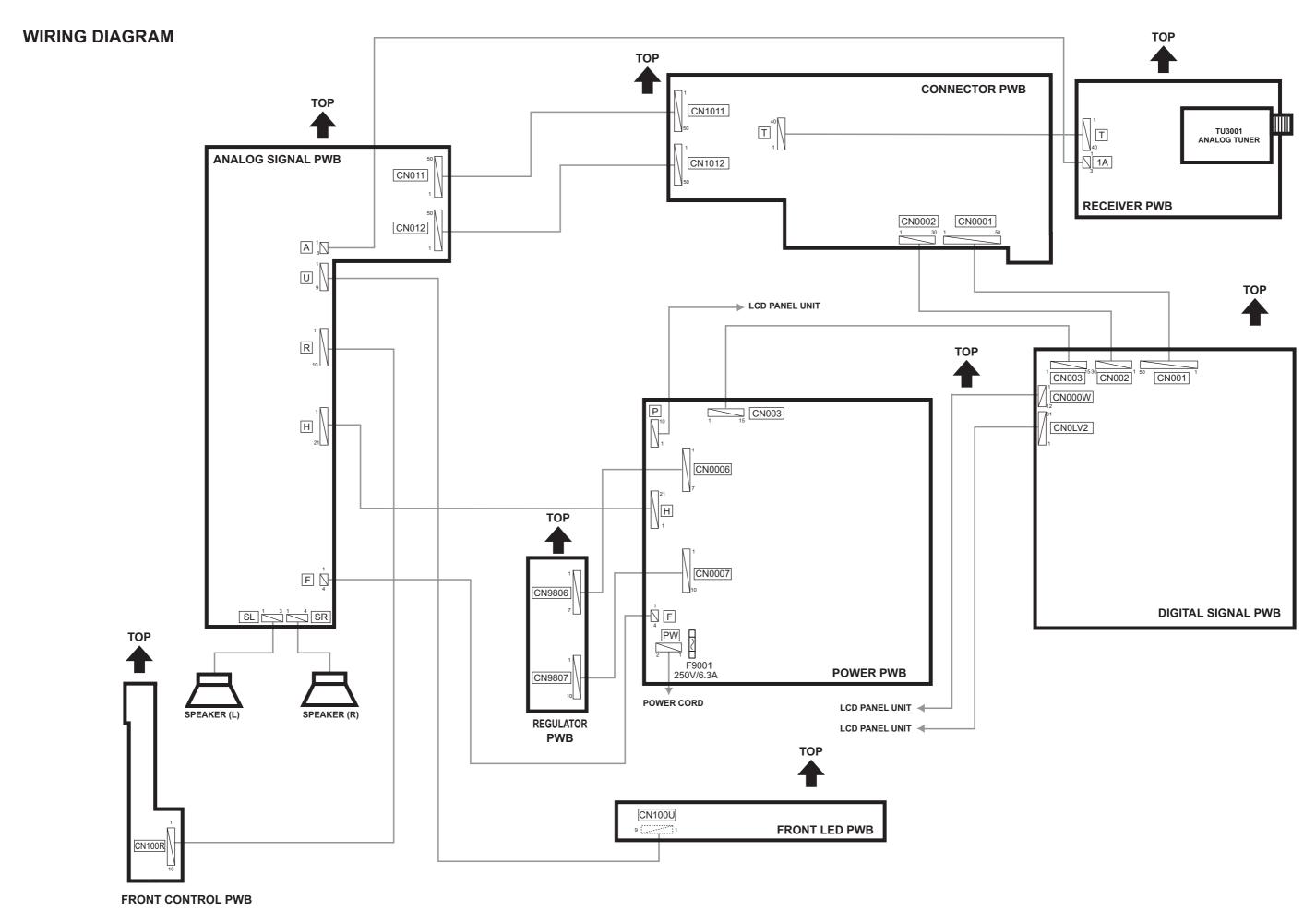
SEMICONDUCTOR SHAPES	2-2
WIRING DIAGRAM	2-3
BLOCK DIAGRAM	
CIRCUIT DIAGRAMS	
	0.7
RECEIVER PWB CIRCUIT DIAGRAM	
ANALOG SIGNAL PWB CIRCUIT DIAGRAM	
DIGITAL SIGNAL PWB CIRCUIT DIAGRAM	
CONNECTOR PWB CIRCUIT DIAGRAM	
FRONT CONTROL PWB CIRCUIT DIAGRAM	
FRONT LED PWB CIRCUIT DIAGRAM	
POWER PWB CIRCUIT DIAGRAM	
REGULATOR PWB CIRCUIT DIAGRAM	2-49
PATTERN DIAGRAMS	
RECEIVER PWB PATTERN	2-51
ANALOG SIGNAL PWB PATTERN	
DIGITAL SIGNAL PWB PATTERN	
CONNECTOR PWB PATTERN	
FRONT CONTROL PWB PATTERN	
FRONT LED PWB PATTERN	
POWER PWB PATTERN	
REGULATOR PWB PATTERN	
VOLTAGE CHATRS	
WAVEFORMS	2-74

#### **USING P.W. BOARD**

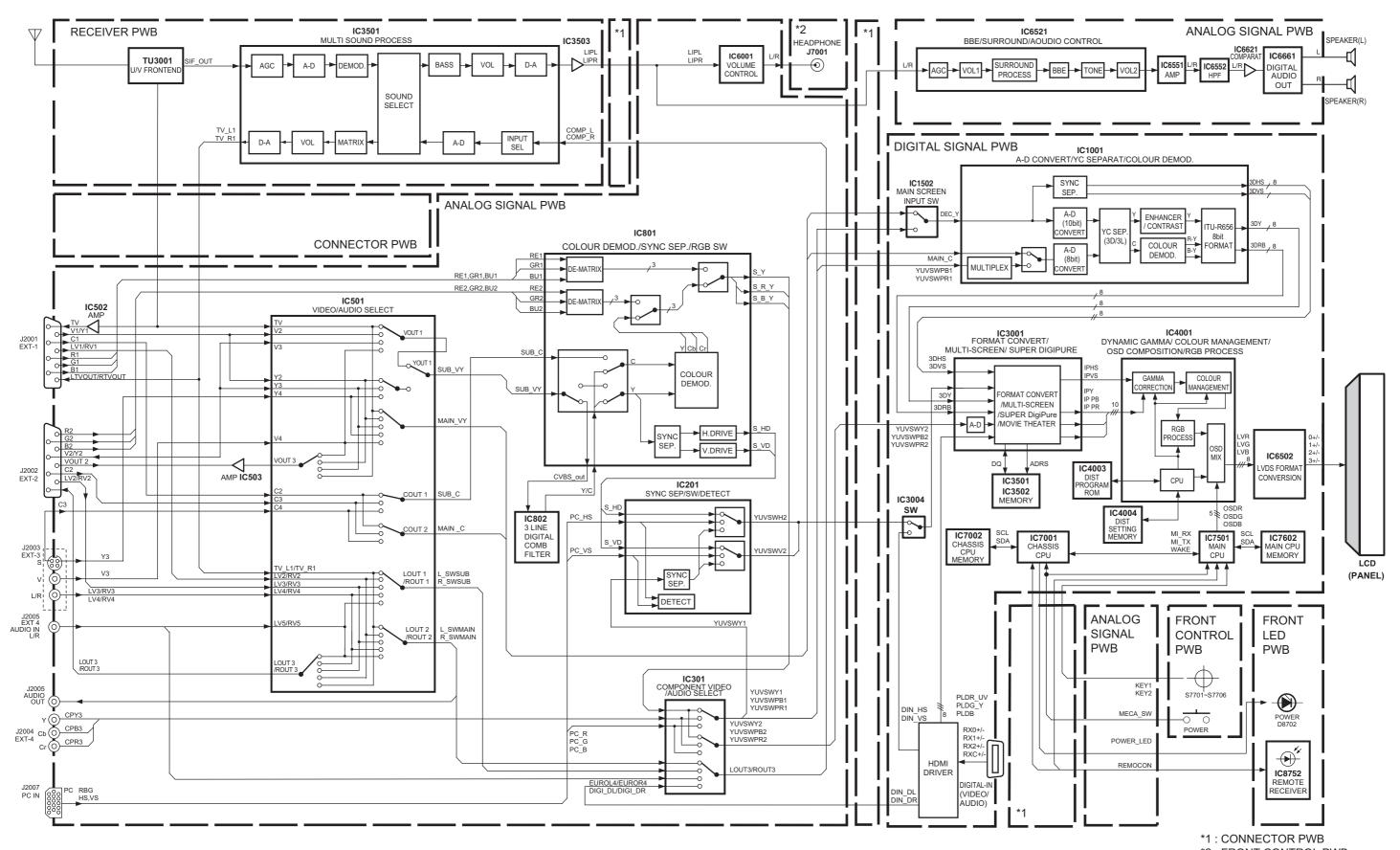
P.W.B ASS'Y name	LT-26S60BU	LT-26S60SU	LT-32S60BU	LT-32S60SU
ANALOG SIGNAL P.W. BOARD	SFL-1112A-U2	<b>←</b>	<b>←</b>	<b>←</b>
CONNECTOR P.W. BOARD	SFL-4112A-U2	<b>←</b>	←	←
FRONT CONTROL P.W. BOARD	SFL-7111A-U2	<b>←</b>	←	←
FRONT LED P.W. BOARD	SFL-8133A-U2	<b>←</b>	←	←
POWER P.W. BOARD	SFL-9028A-U2	<b>←</b>	←	←
REGULATOR P.W. BOARD	SFL-9128A-U2	<b>←</b>	<b>←</b>	<b>←</b>
DIGITAL SIGNAL P.W. BOARD	SFL0D236A-U2	<b>←</b>	SFL0D235A-U2	<b>←</b>
RECEIVER P.W. BOARD	SFL0F204A-U2	<b>←</b>	<b>←</b>	<u> </u>

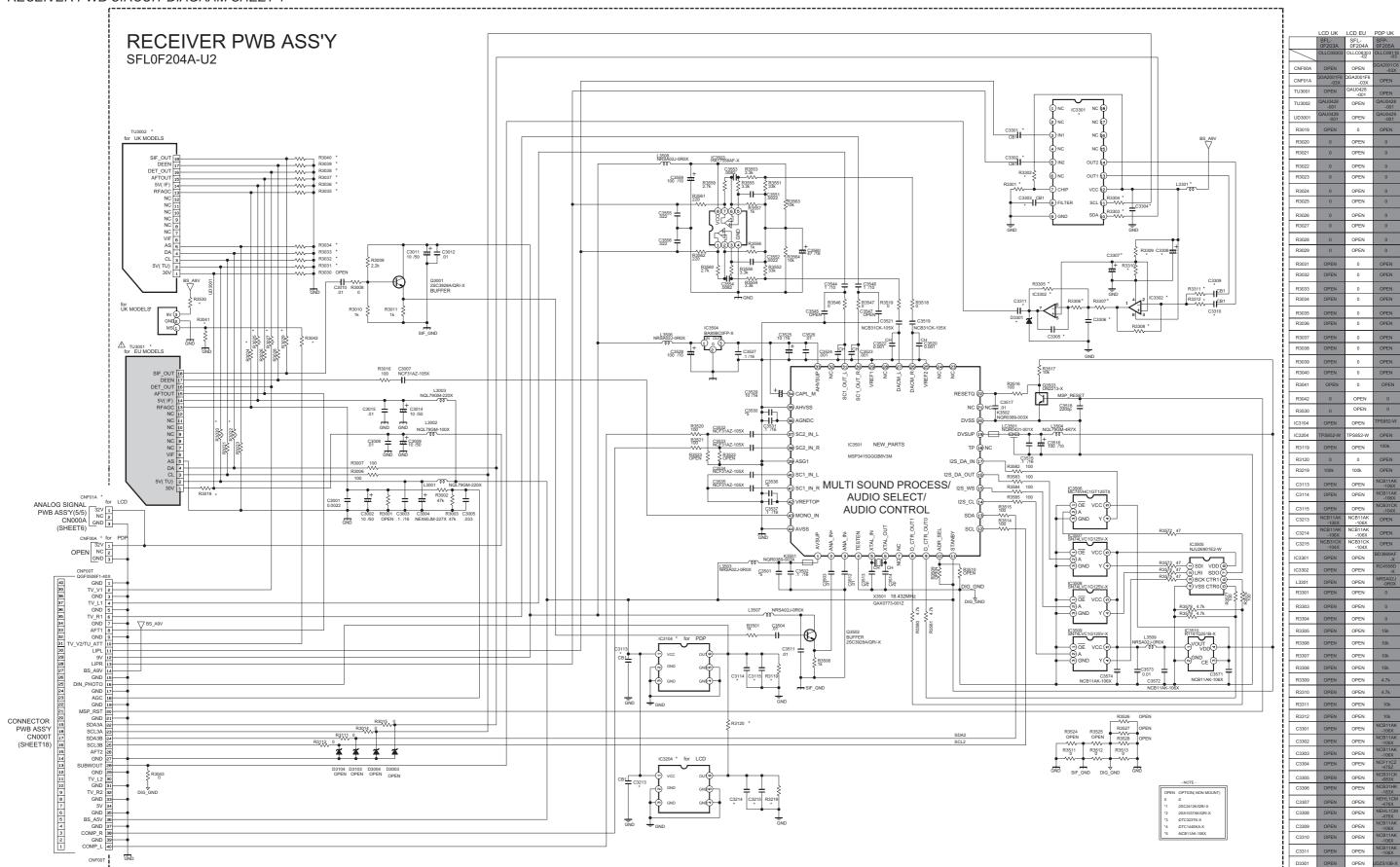
#### **SEMICONDUCTOR SHAPES**

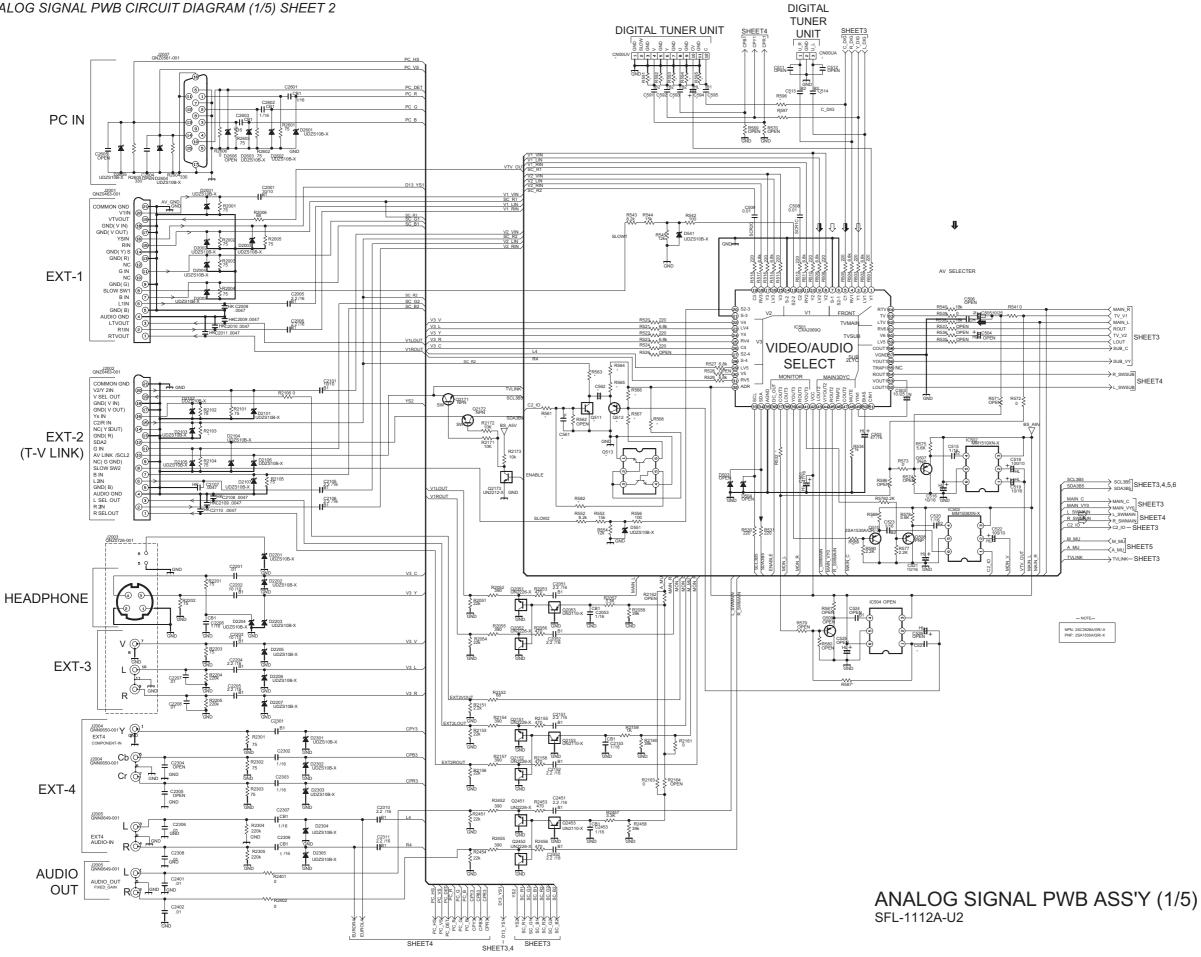




#### **BLOCK DIAGRAM**



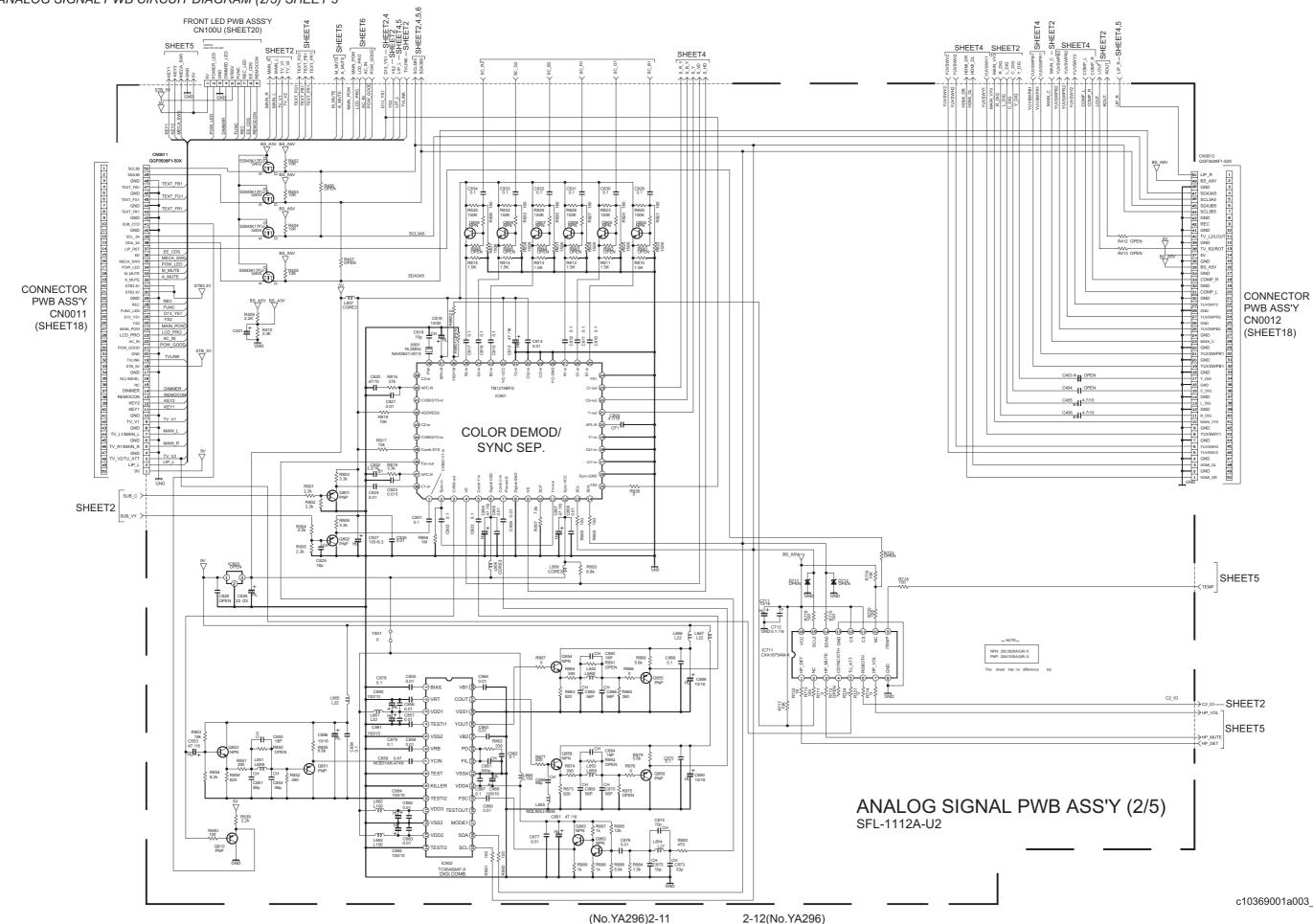


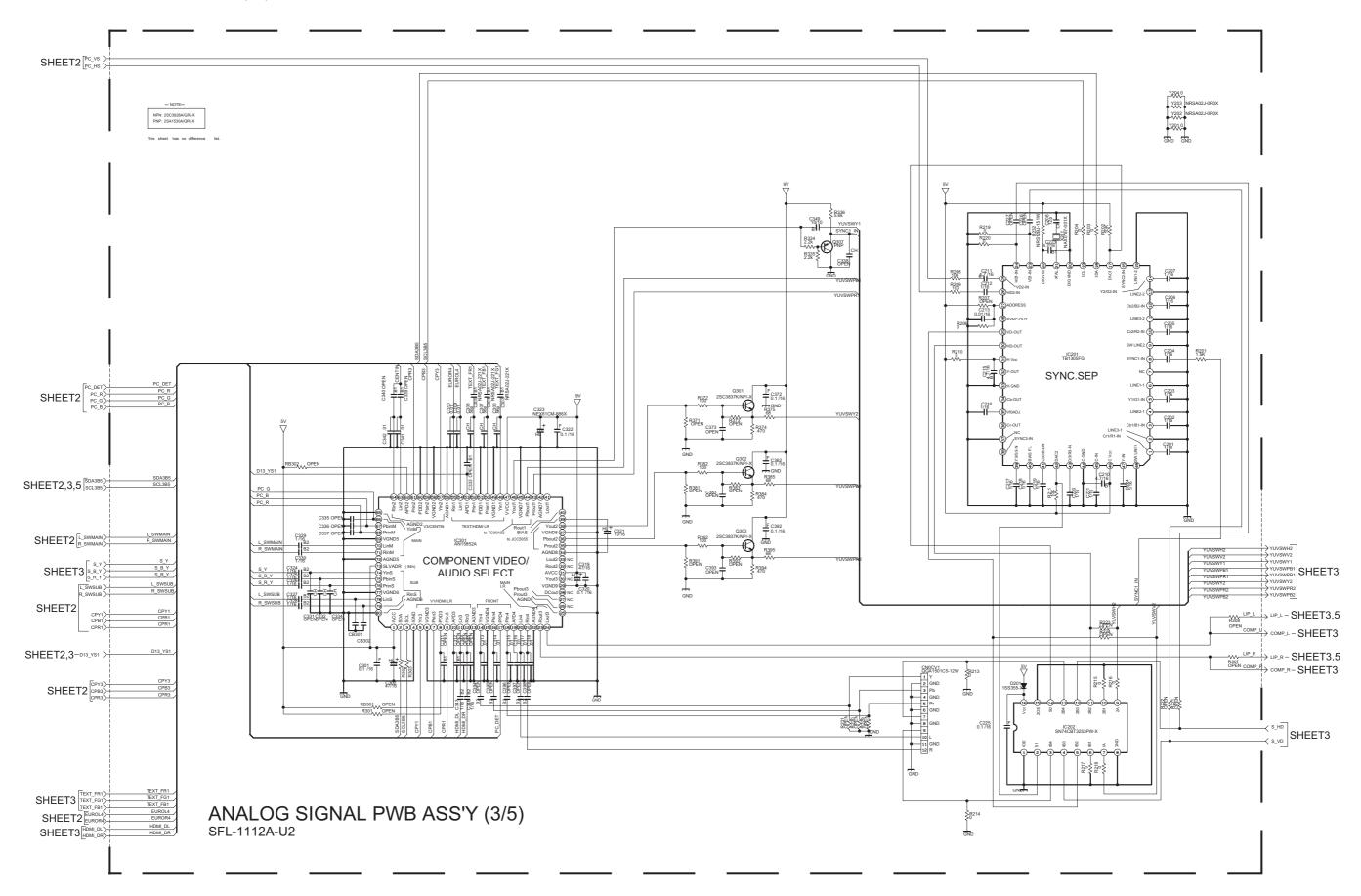


	26/32DS6	26/32S60	37DS6	37S60
ASS'Y	LCA90494 -01*	LCA90494 -02*	LCA90494 -03*	LCA90494 -04*
No. SFL-1111A		SFL-1112A	SFL-1113A	SFL-1114A
$\overline{}$	OLLC08306	OLLC08306	-02-CX1481	00L-CX1481
R532	0	OPEN	0	OPEN
R587	0	OPEN	0	OPEN
R588	5.6K	OPEN	5.6K	OPEN
R589	2.2K	OPEN	2.2K	OPEN
C527	0.01/50	OPEN	0.01/50	OPEN
Q511	UN2226-X	OPEN	UN2226-X	OPEN
Q512	2SA1530A /QR/-X	OPEN	2SA1530A /OR/-X	OPEN
Q513	UMX1N-W	OPEN	UMX1N-W	OPEN
R561	1K	OPEN	1K	OPEN
R563	68	OPEN	68	OPEN
R564	150	OPEN	150	OPEN
R565	150	OPEN	150	OPEN
R566	5.6K	OPEN	5.6K	OPEN
R567	5.6K	OPEN	5.6K	OPEN
R568	3.3K	OPEN	3.3K	OPEN
R582	3.3K	OPEN	3.3K	OPEN
C561	0.1 /16	OPEN	0.1 /16	OPEN
C562	QENC1CM -476Z	OPEN	QENC1CN -4767	OPEN
CN00UV	QGA2001C	OPEN	QGA2001C	6 OPEN
CN00UA	-12X QGA2001C -03X	OPEN	-12X QGA2001C -03X	6 OPEN
R591	75	OPEN	75	OPEN
R592	75	OPEN	75	OPEN
R593	75	OPEN	75	OPEN
R594	75	OPEN	75	OPEN
R595	75	OPEN	75	OPEN
R596	0	OPEN	0	OPEN
R597	0	OPEN	0	OPEN
C591	1/16	OPEN	1/16	OPEN
C592	1/16	OPEN	1/16	OPEN
C593	1/16	OPEN	1/16	OPEN
C594	10/16	OPEN	10/16	OPEN
C595	2.2/16	OPEN	2.2/16	OPEN
C513	1/16	OPEN	1/16	OPEN
C514	1/16	OPEN	1/16	OPEN
R2103	OPEN	75	OPEN	75
C2301	NCB11AK -106X	NCB21CK -225X	NCB11AK -106X	NCB21CK -225X

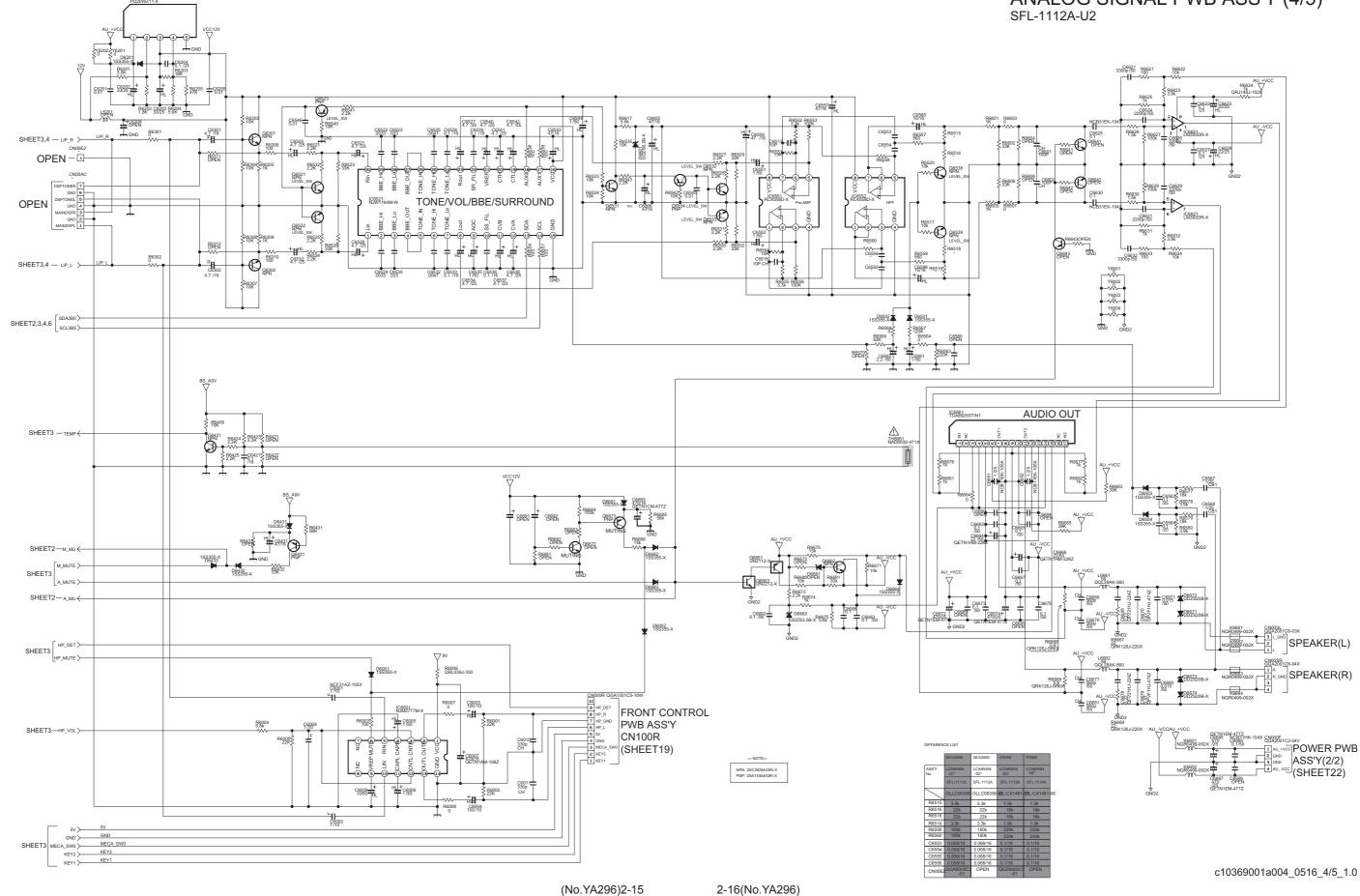
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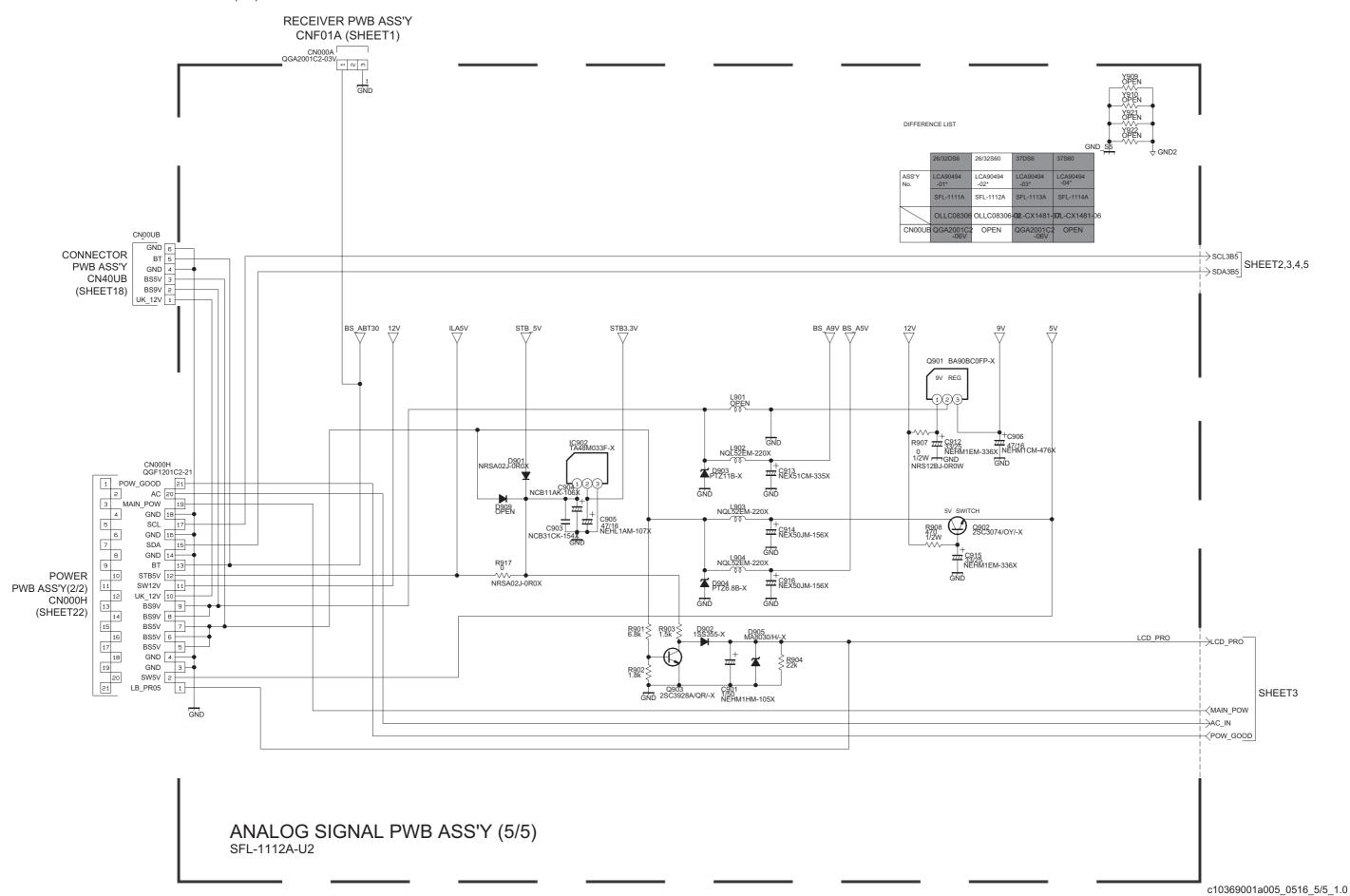
SHEET4

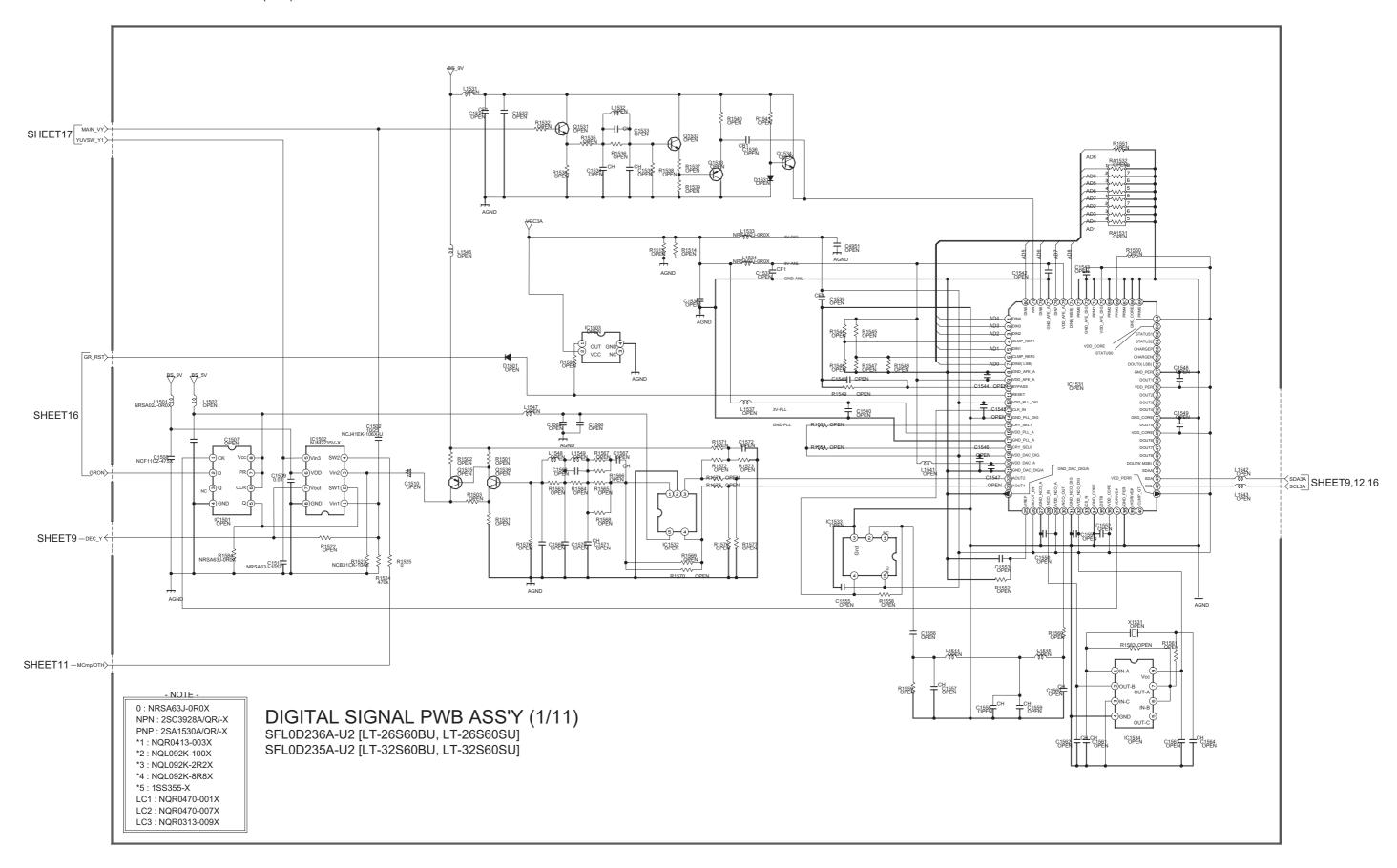


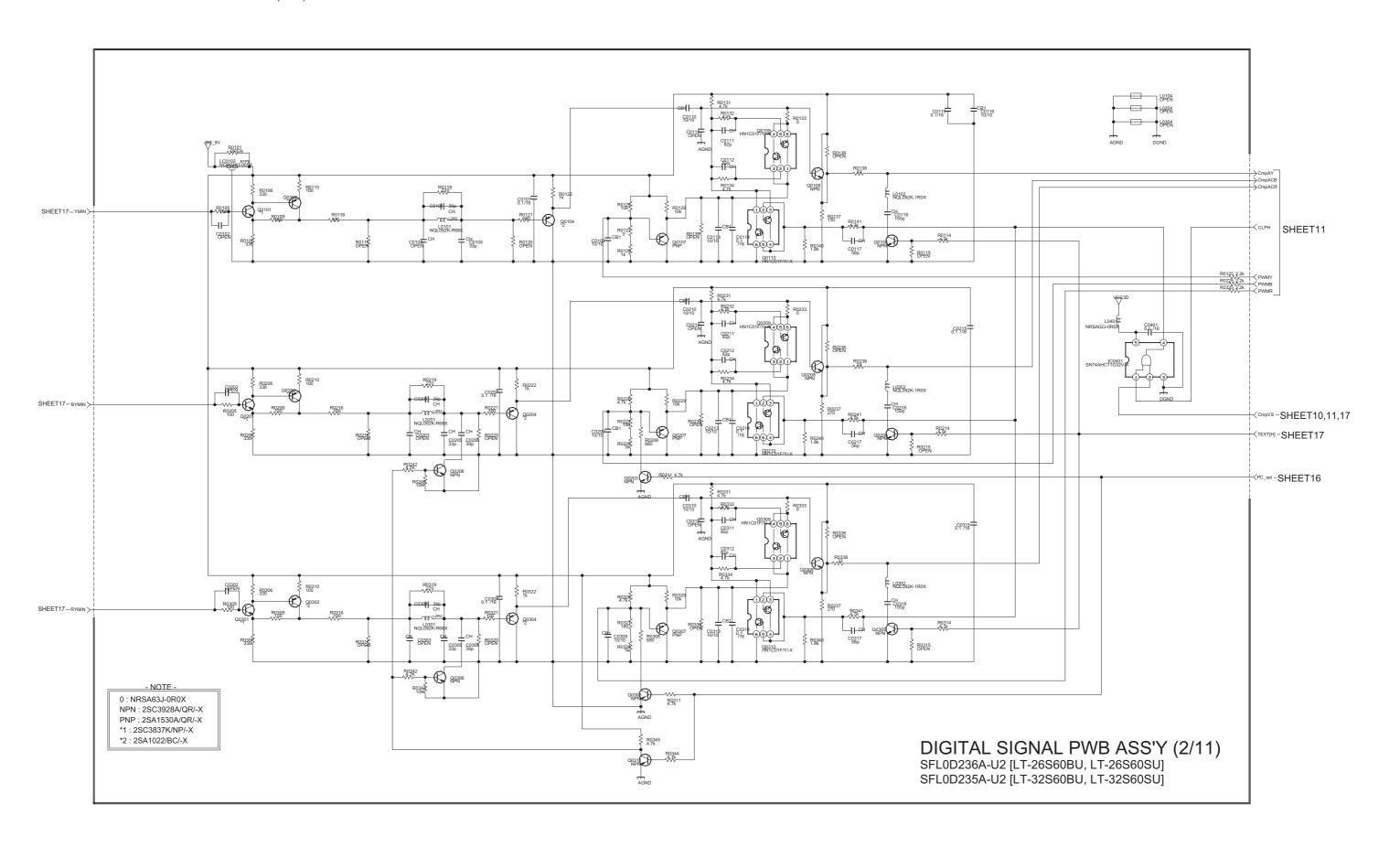


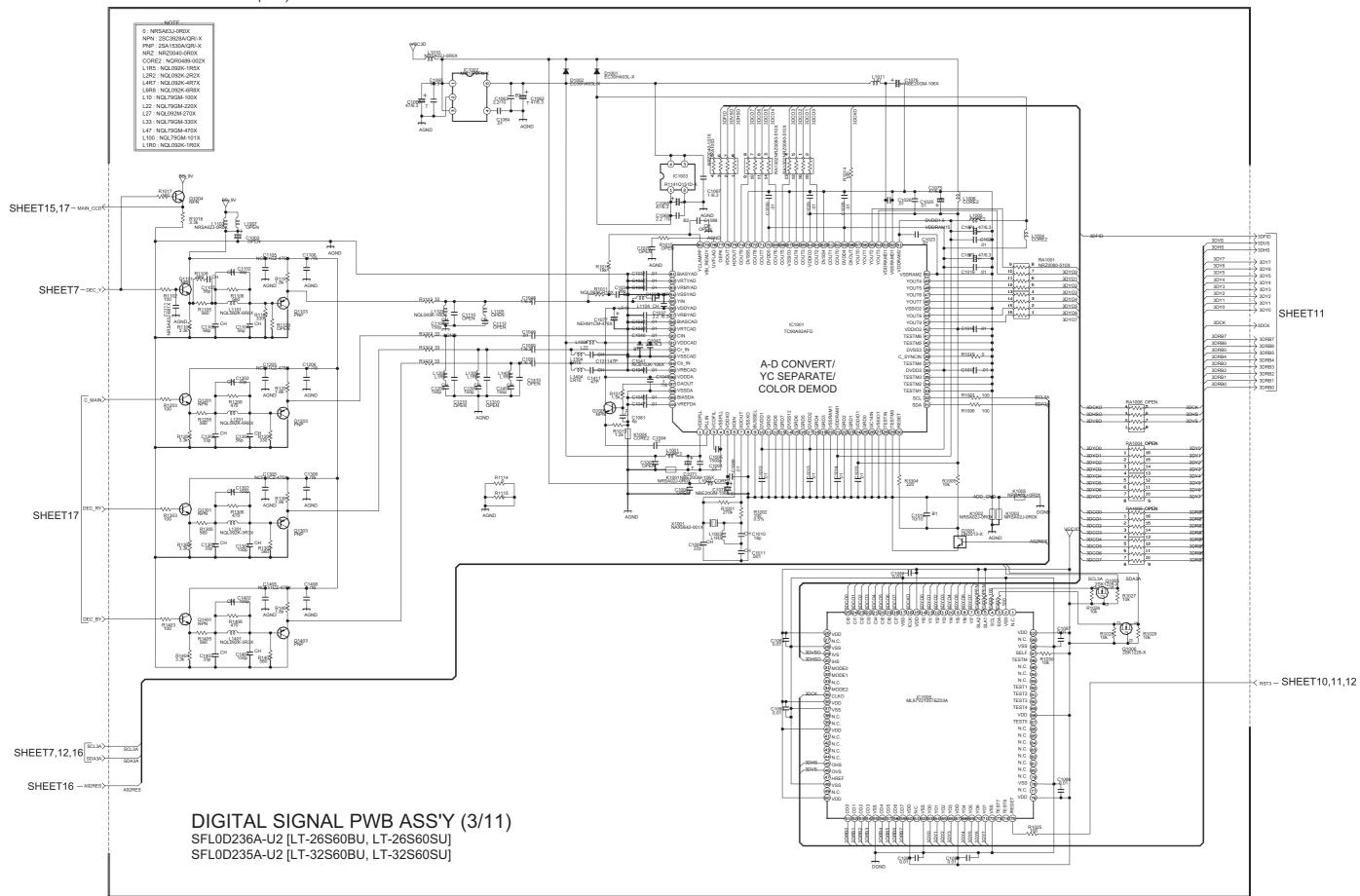
### ANALOG SIGNAL PWB ASS'Y (4/5) SFL-1112A-U2

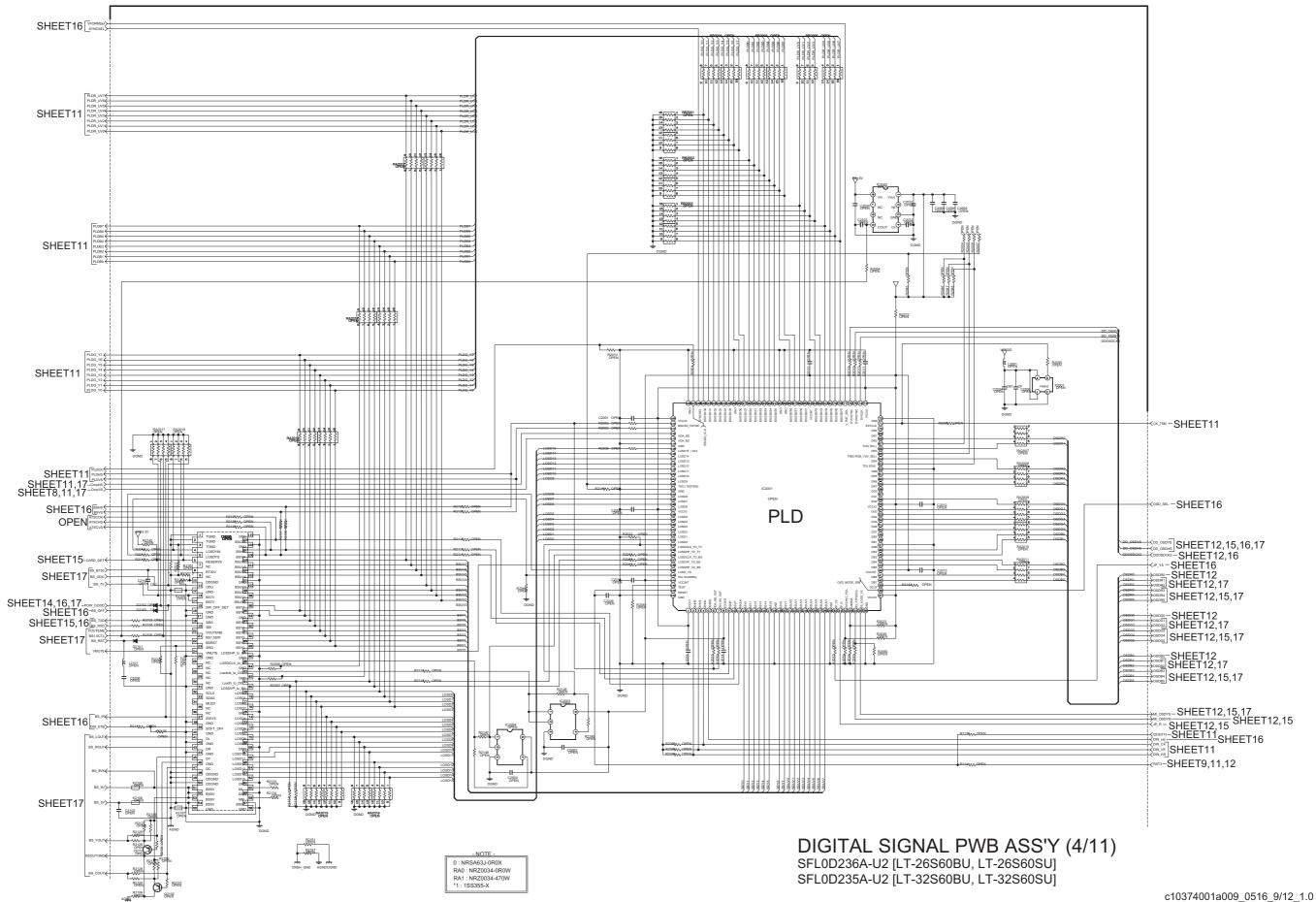


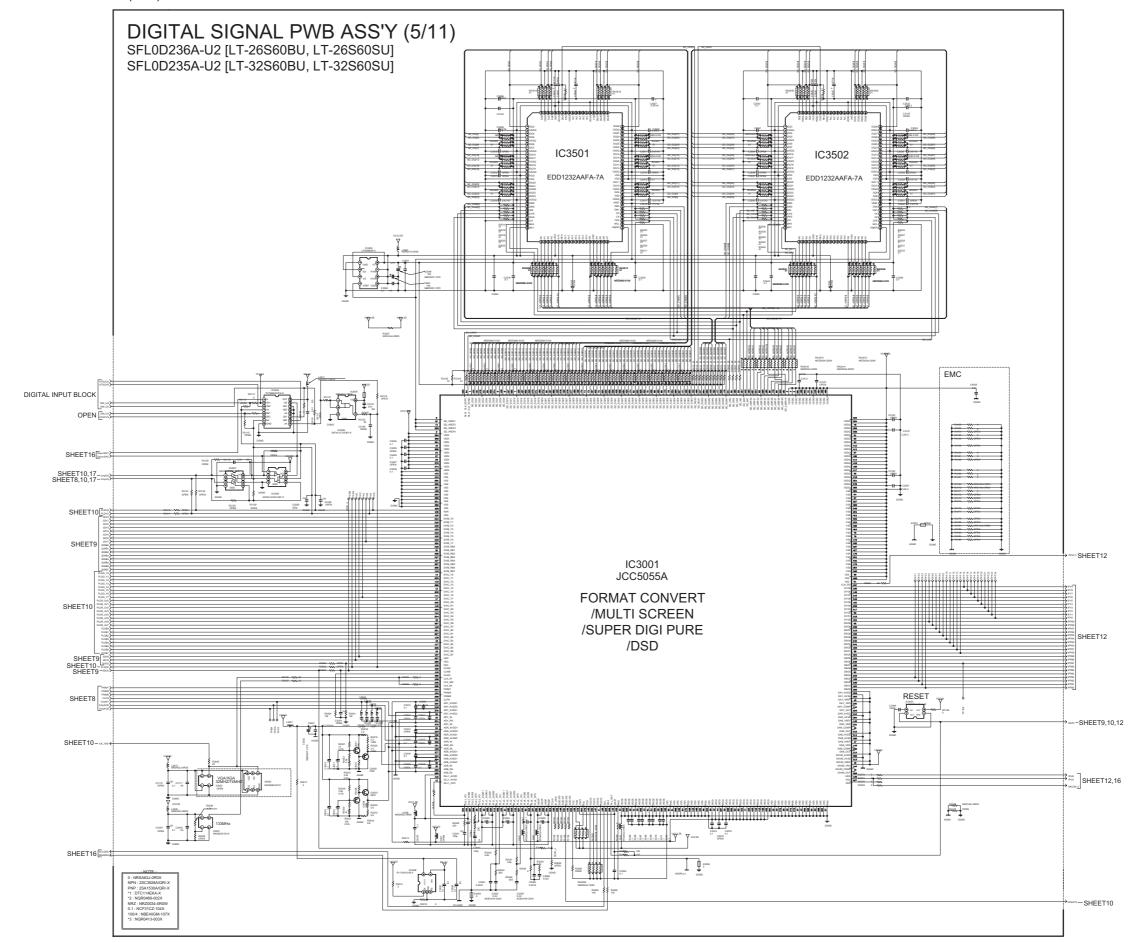


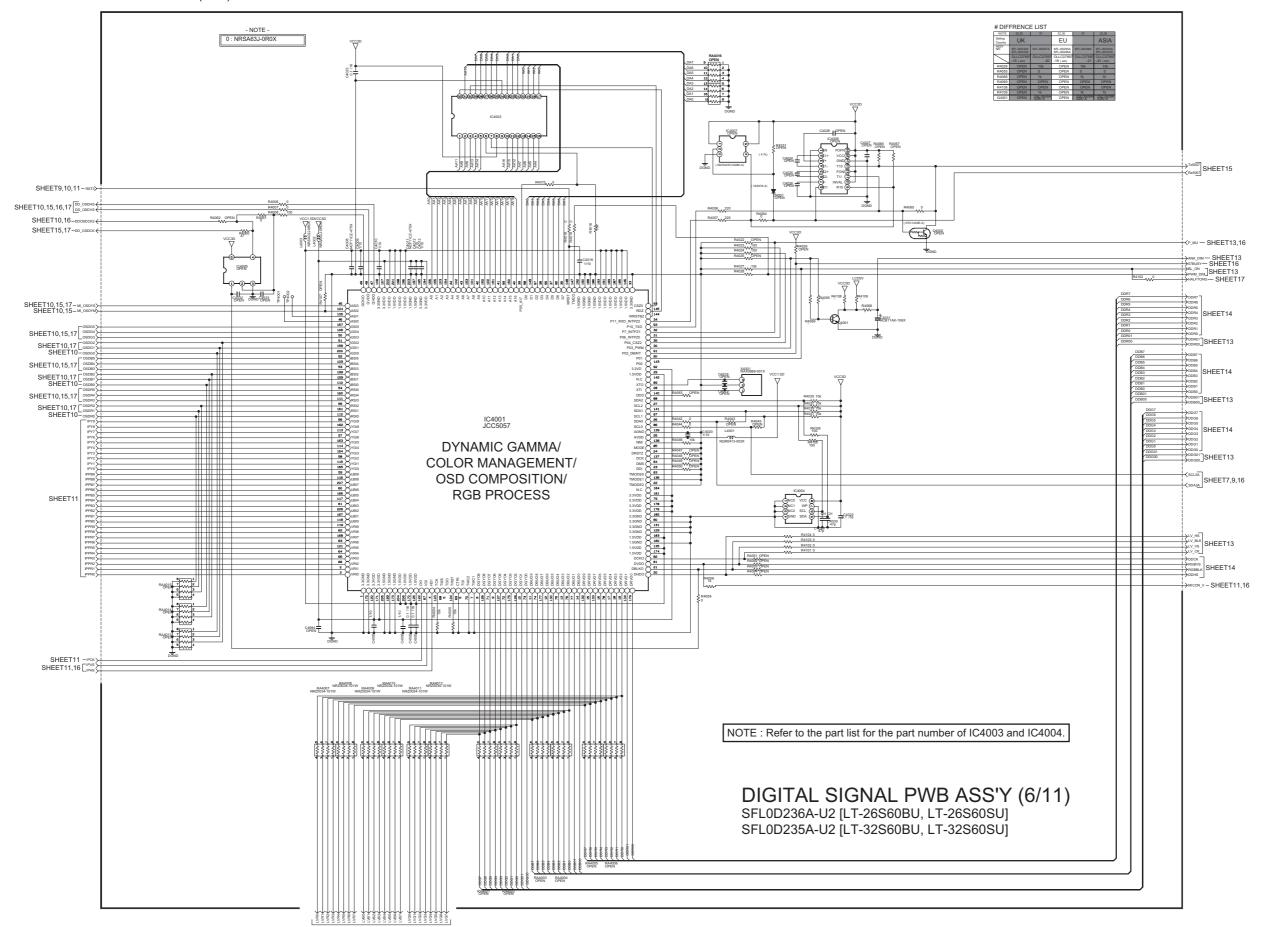


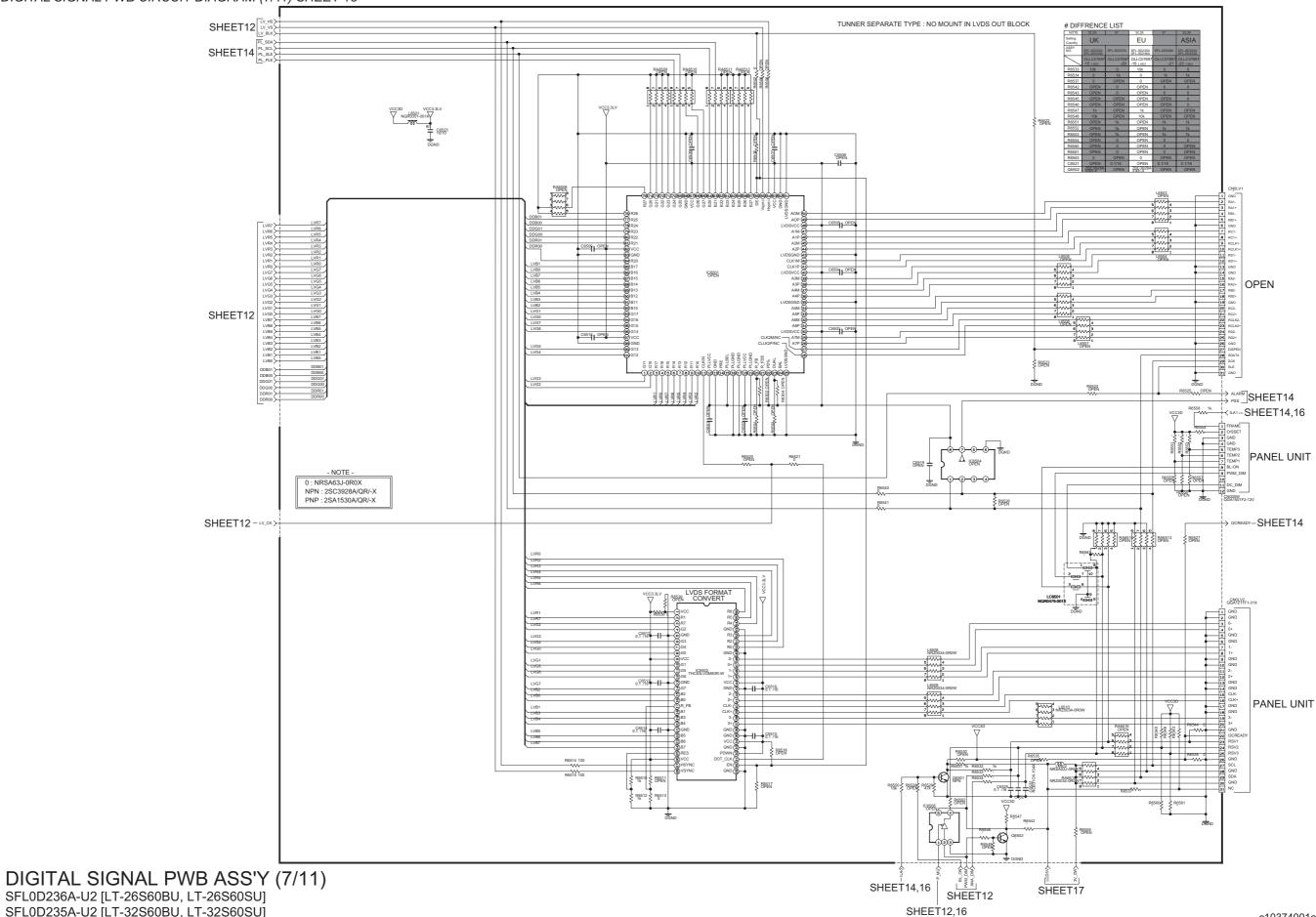






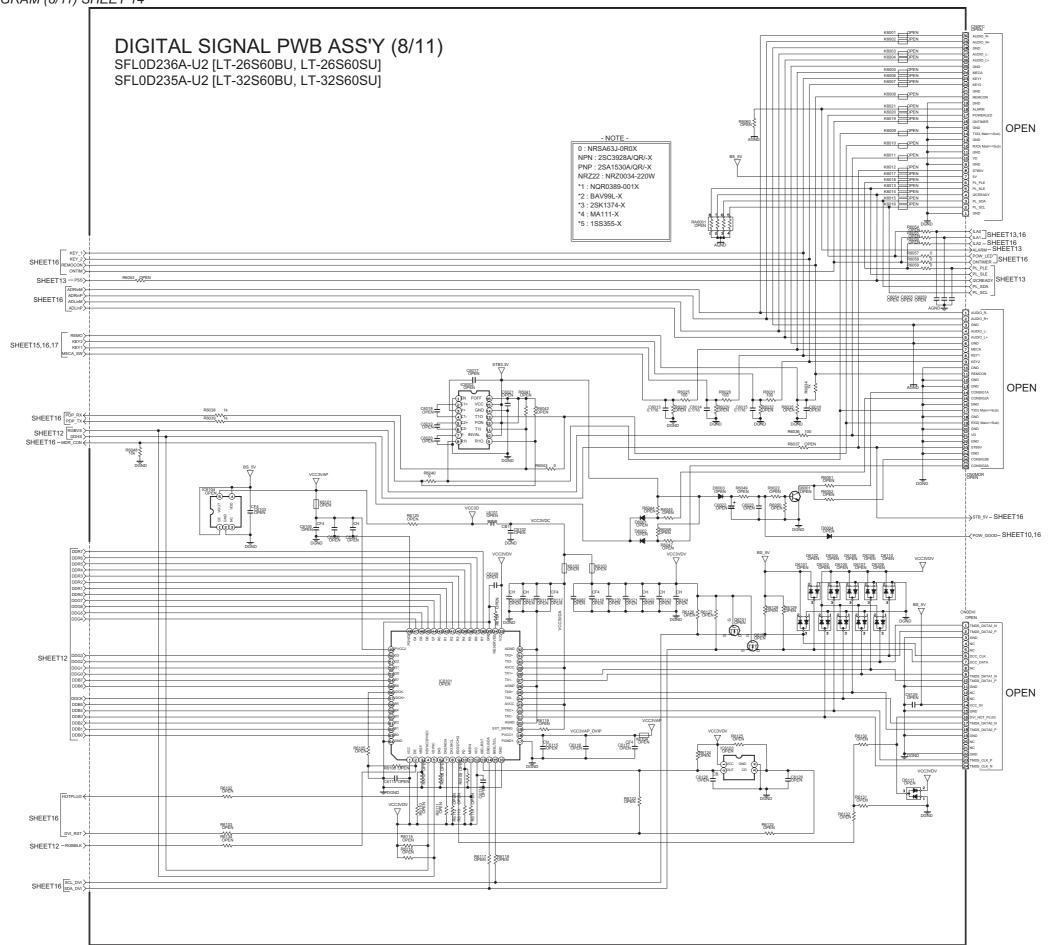




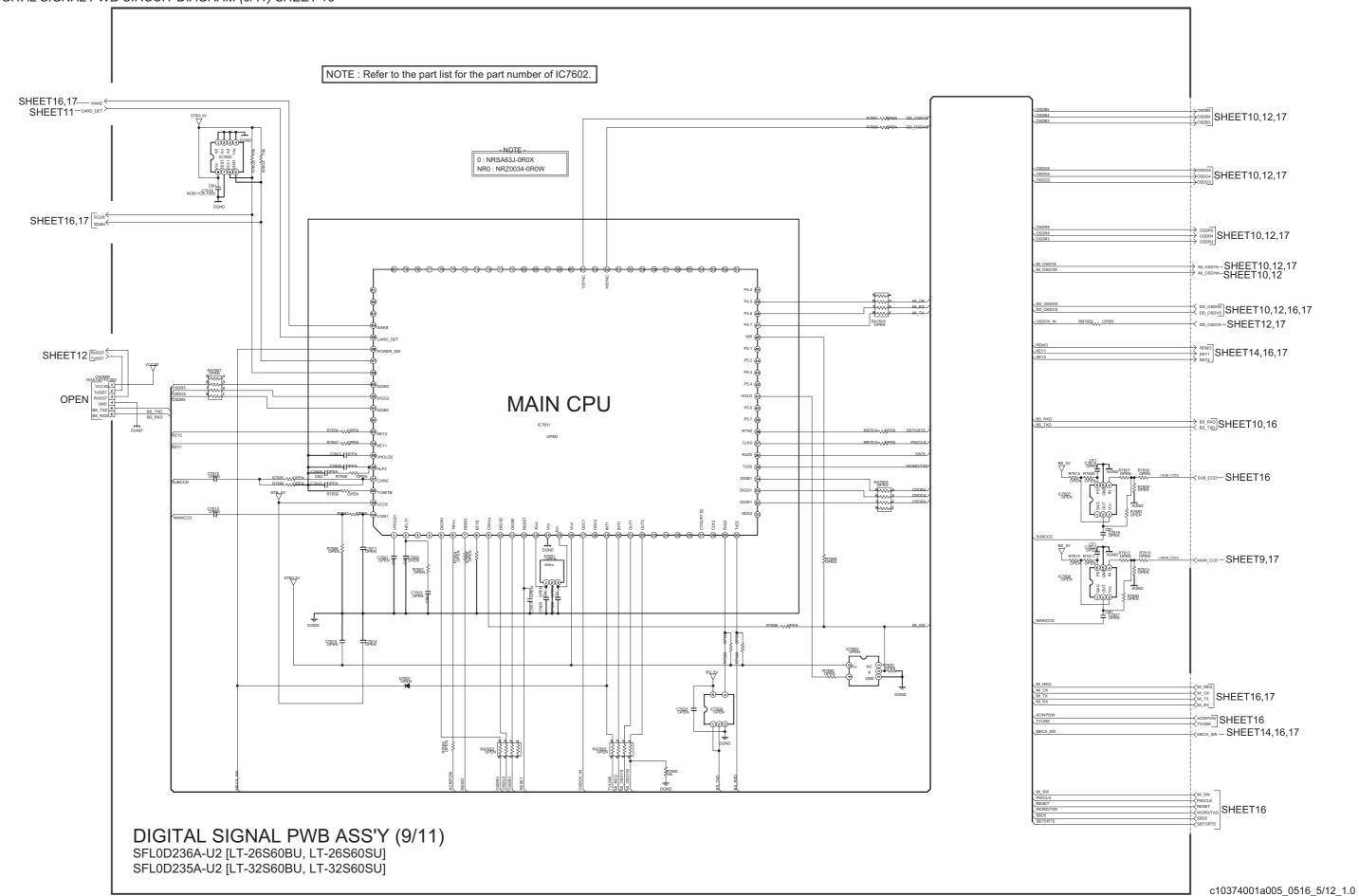


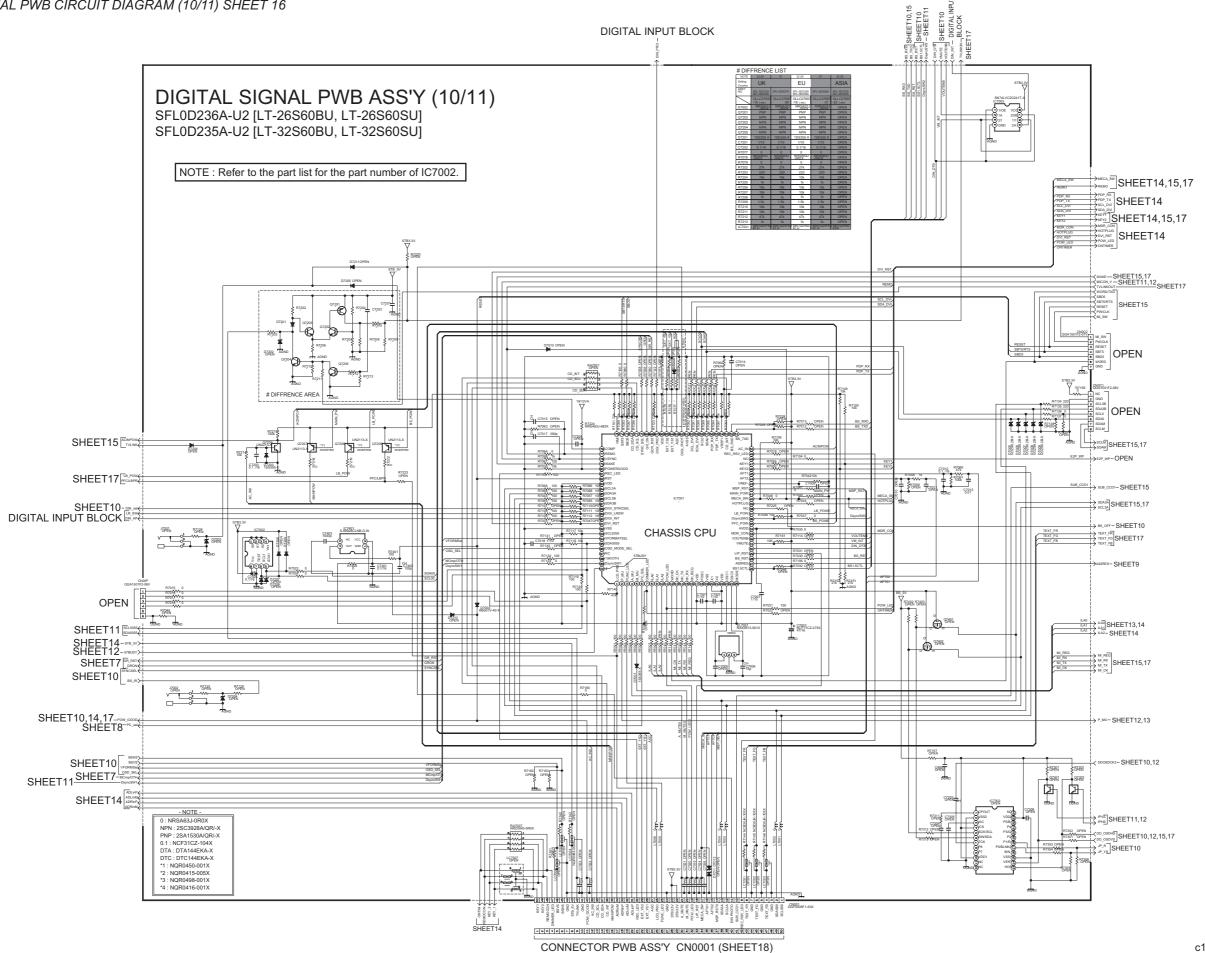
SFL0D236A-U2 [LT-26S60BU, LT-26S60SU] SFL0D235A-U2 [LT-32S60BU, LT-32S60SU]

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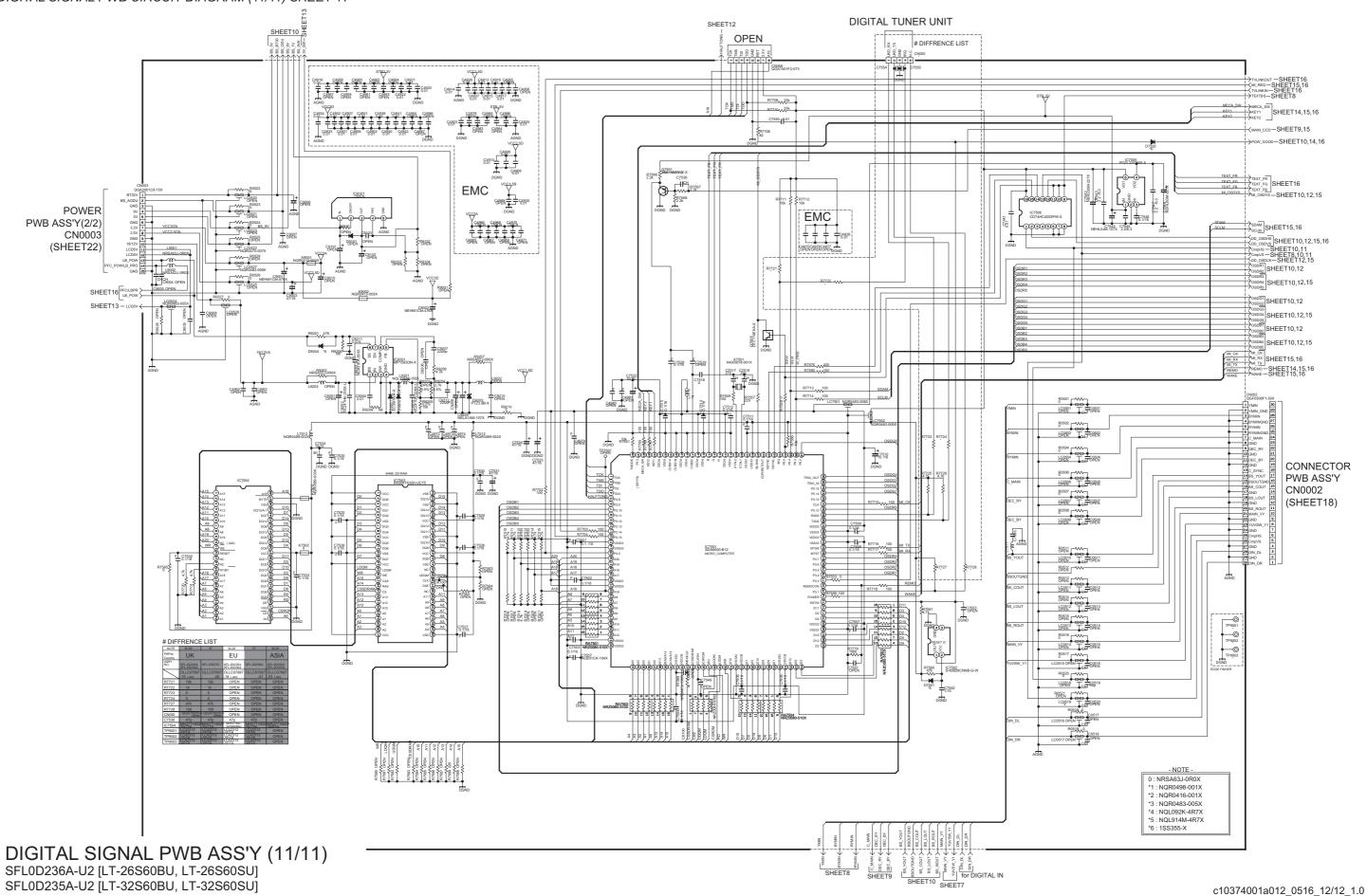
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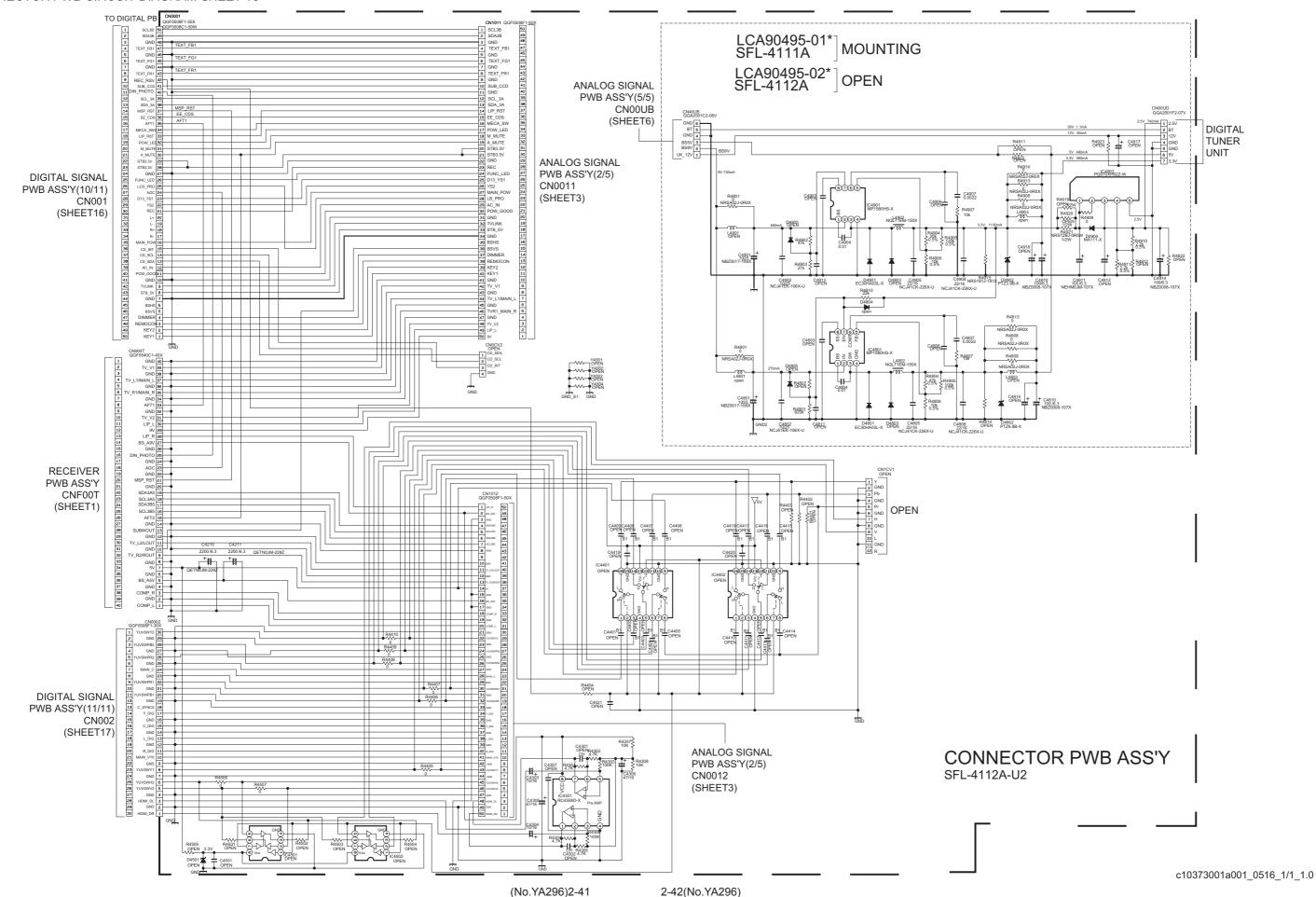


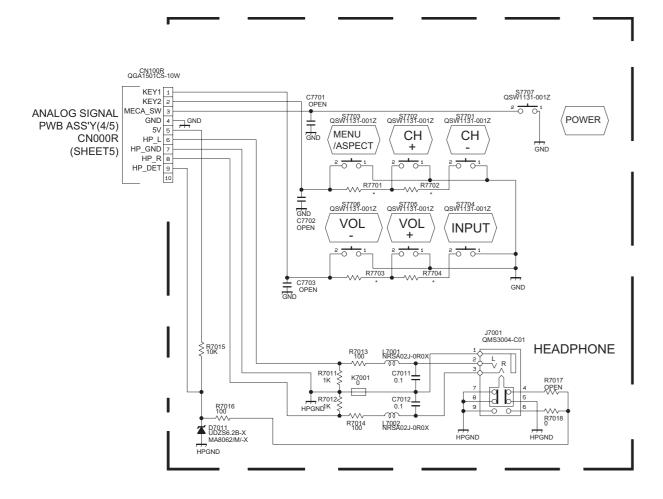


2-38(No.YA296)

(No.YA296)2-37



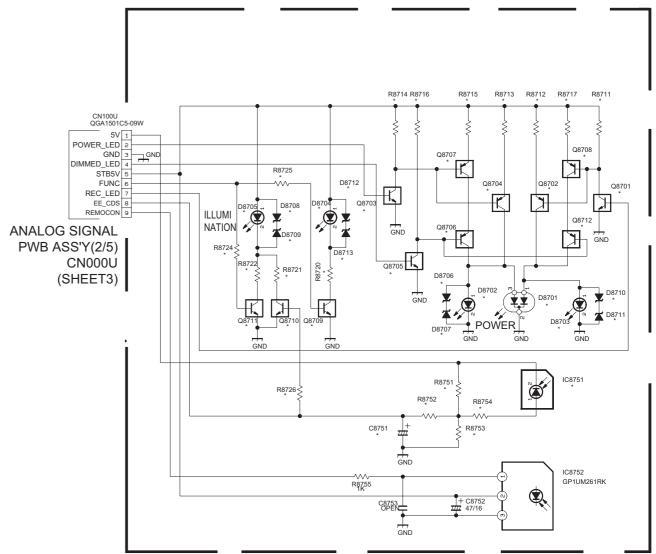




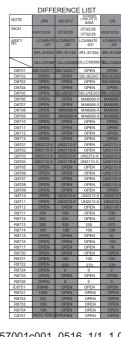
### FRONT CONTROL PWB ASS'Y SFL-7111A-U2

#### DIFFERENCE LIST

NOTE	JPN US	UK-DTV EUROPE (non-DTV) ASIA
	40/37/32/26 40/37/32/26	37/32/26 37/32/26 37/32/26
ASS'Y No.	LCA90469 -01*	LCA90469 -02*
	SFL-7101A	SFL-7111A
	OLLC07662	OLLC0830
R7701	5.6K	4.7K
R7702	15K	8.2K
R7703	5.6K	4.7K
R7704	15K	8.2K

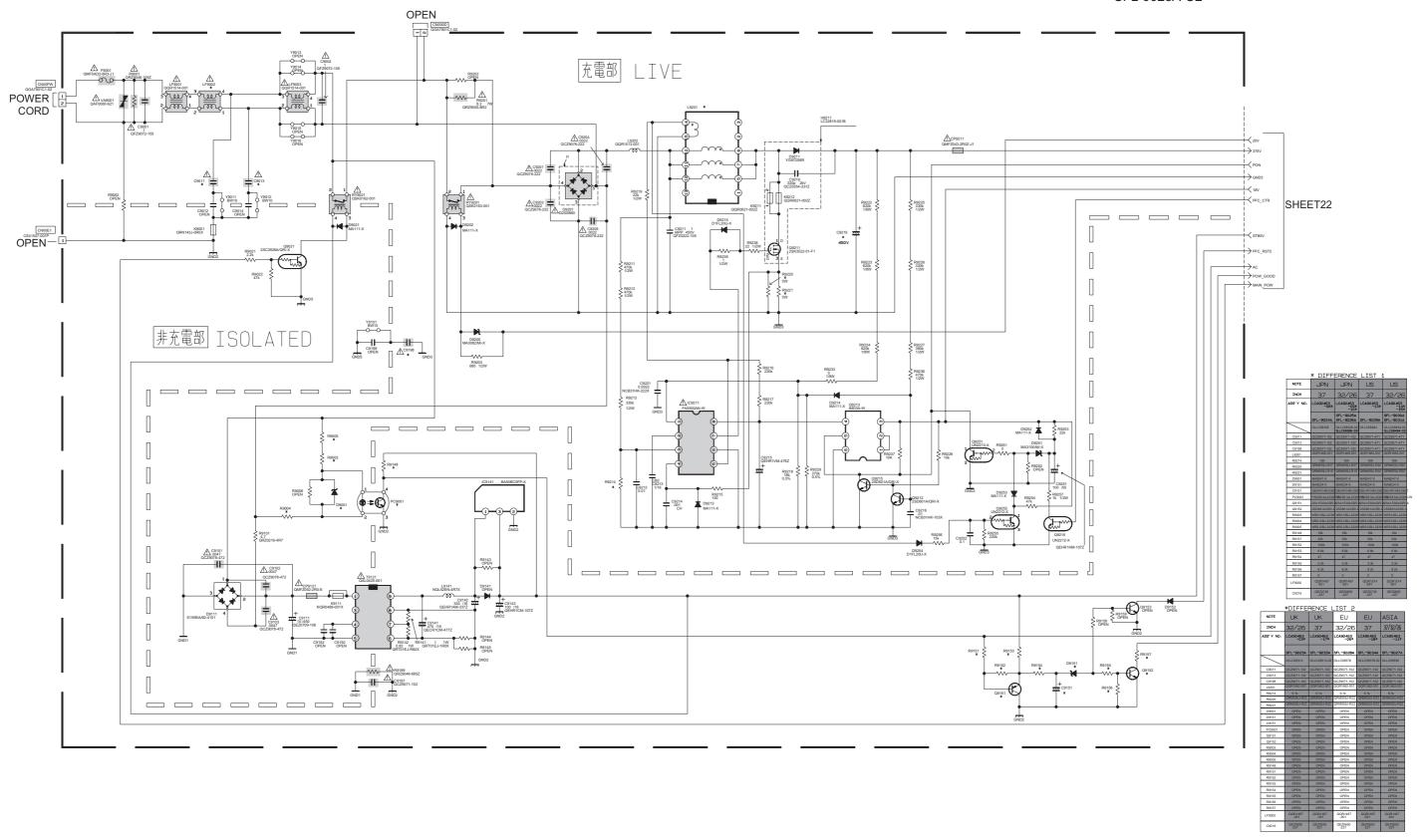


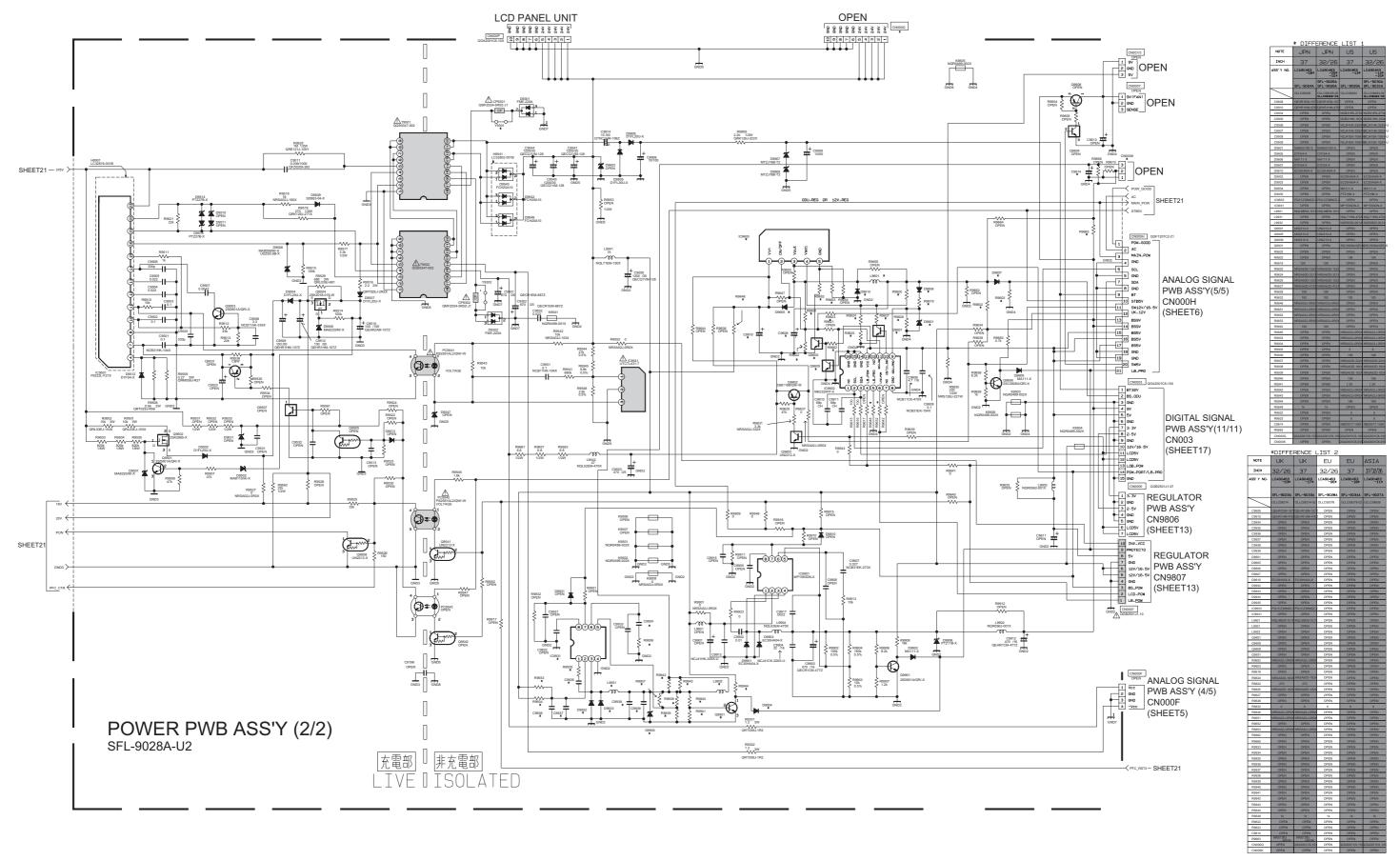
### FRONT LED PWB ASS'Y SFL-8133A-U2

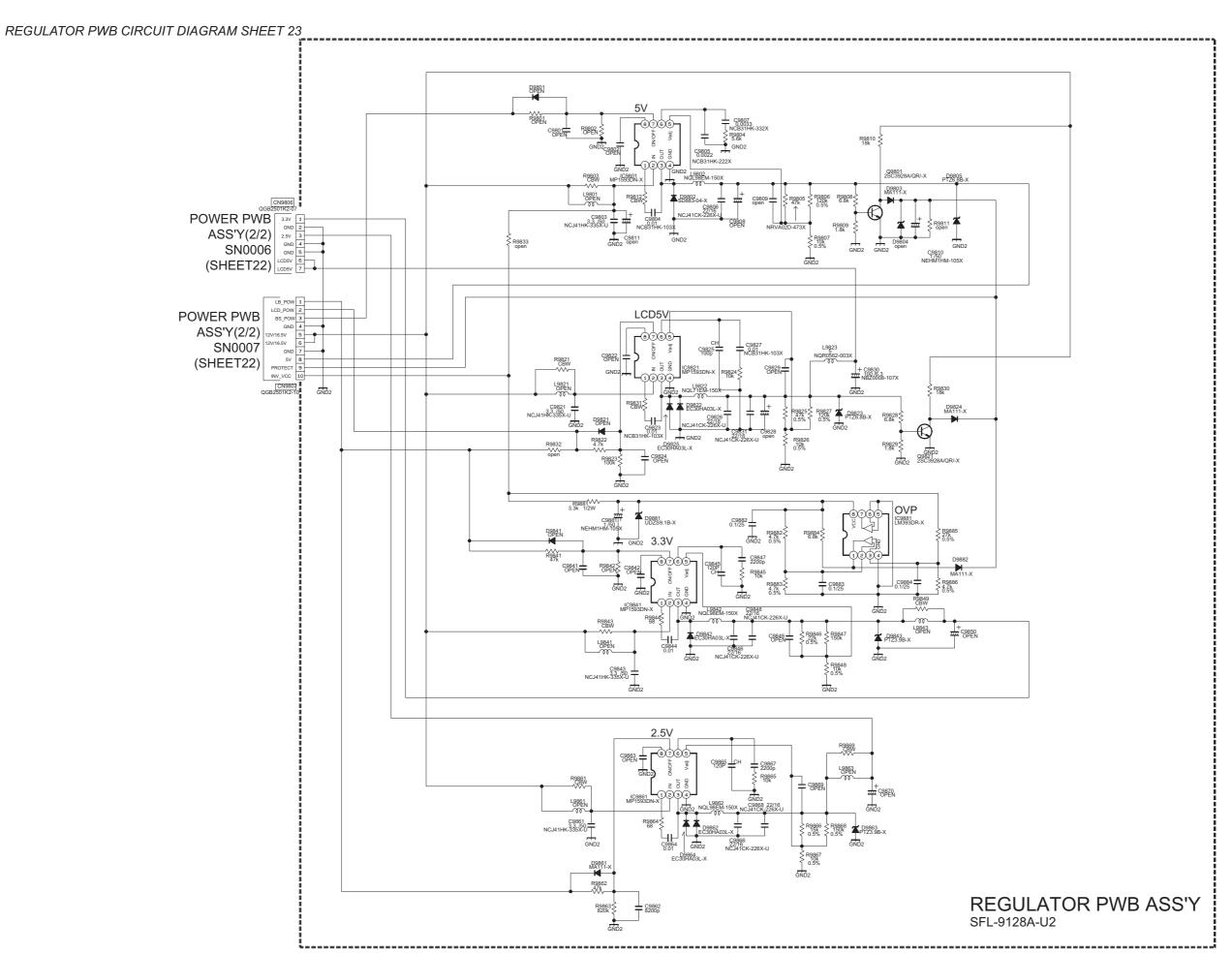


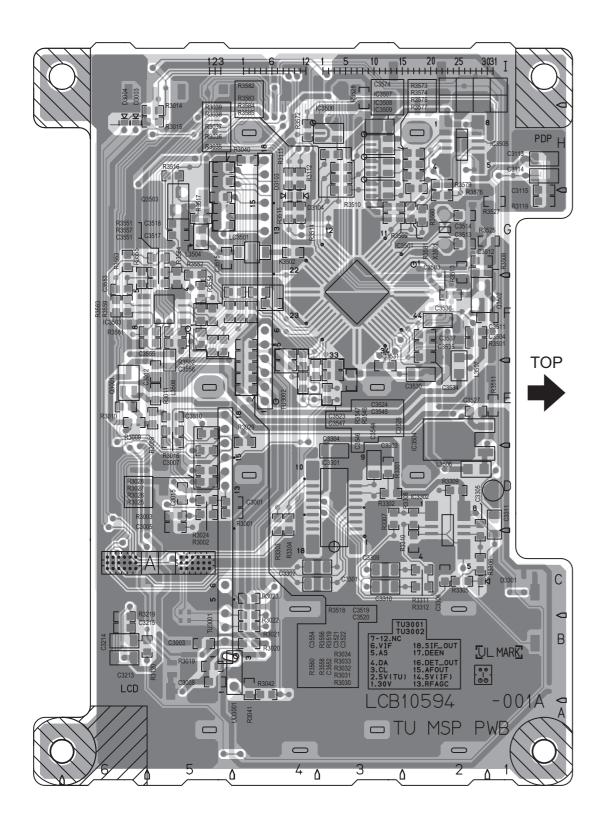
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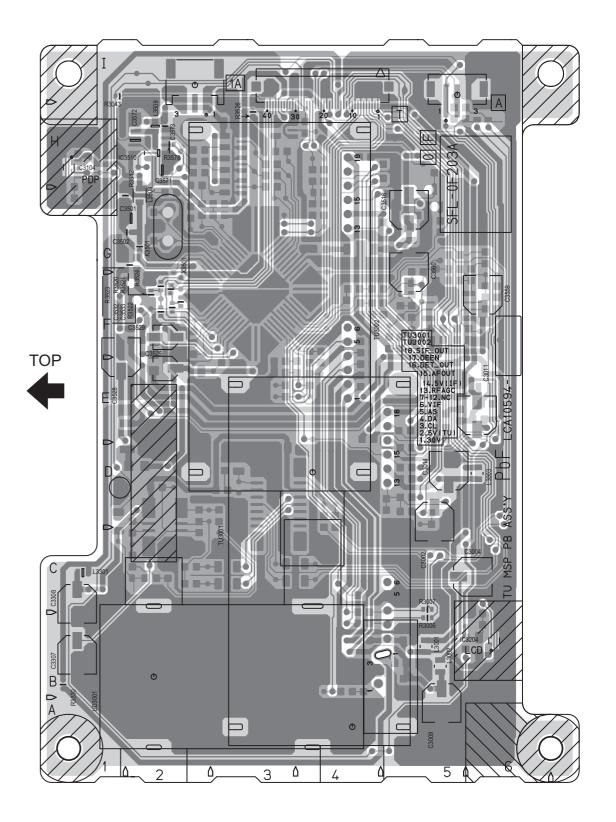
### POWER PWB ASS'Y (1/2) SFL-9028A-U2

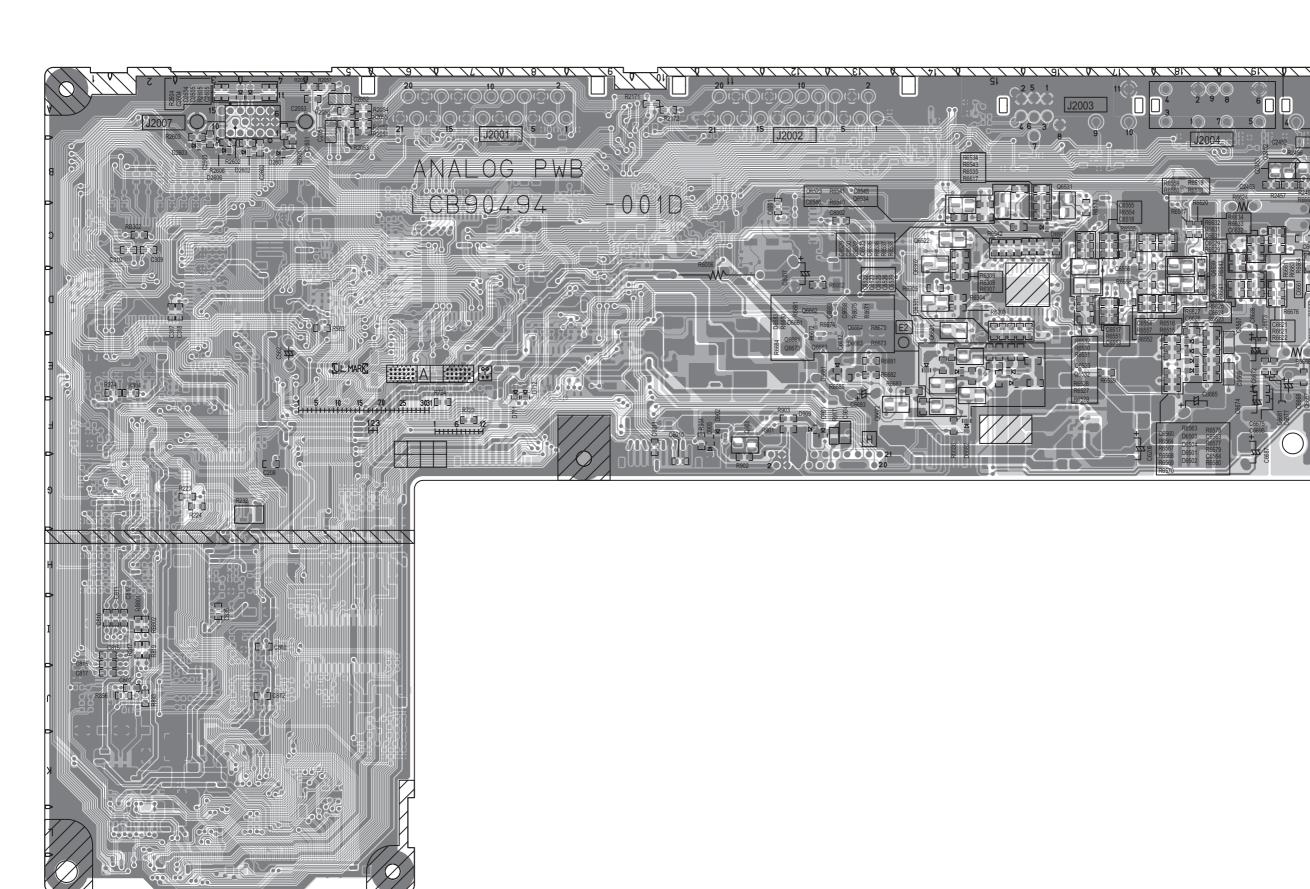


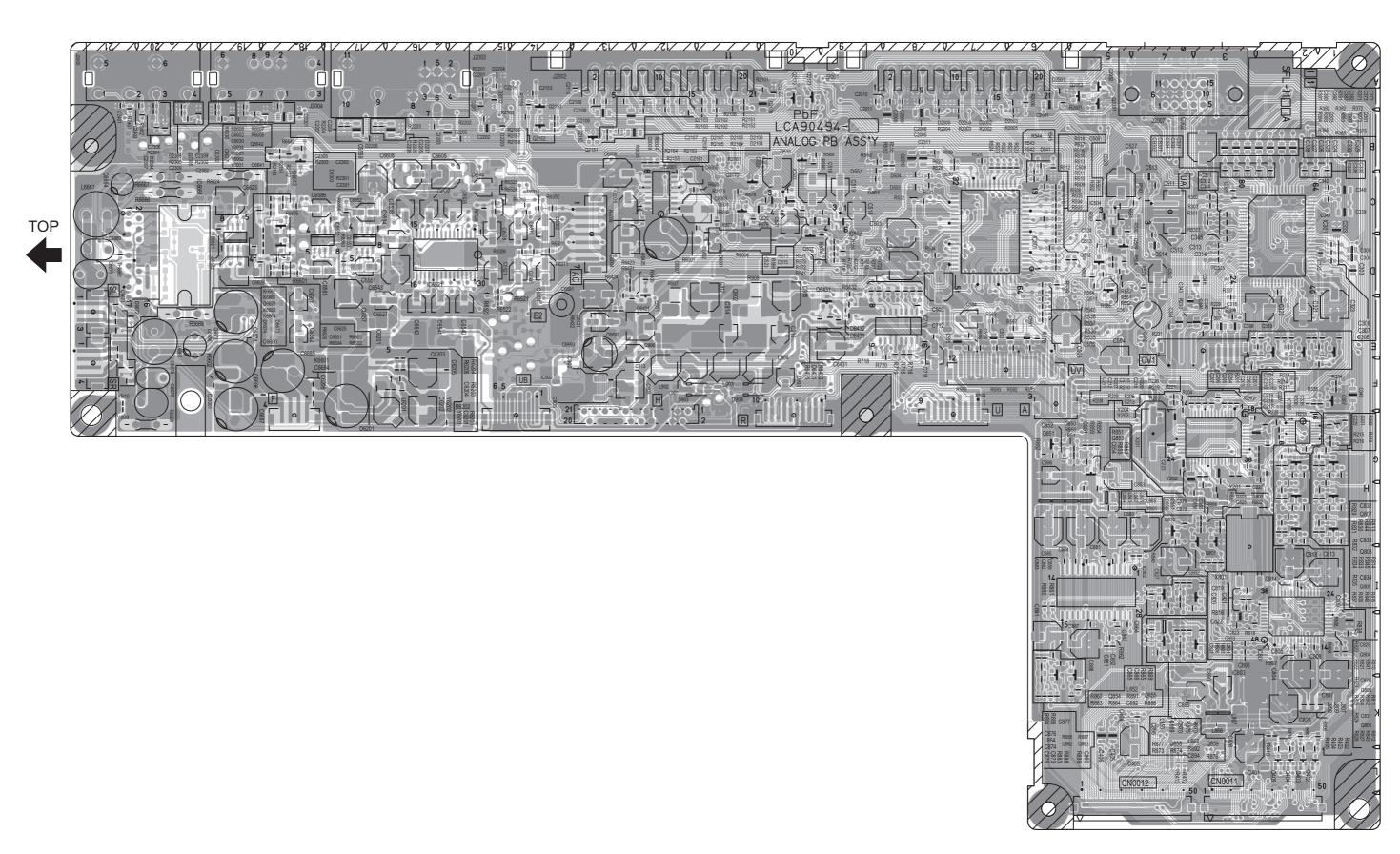


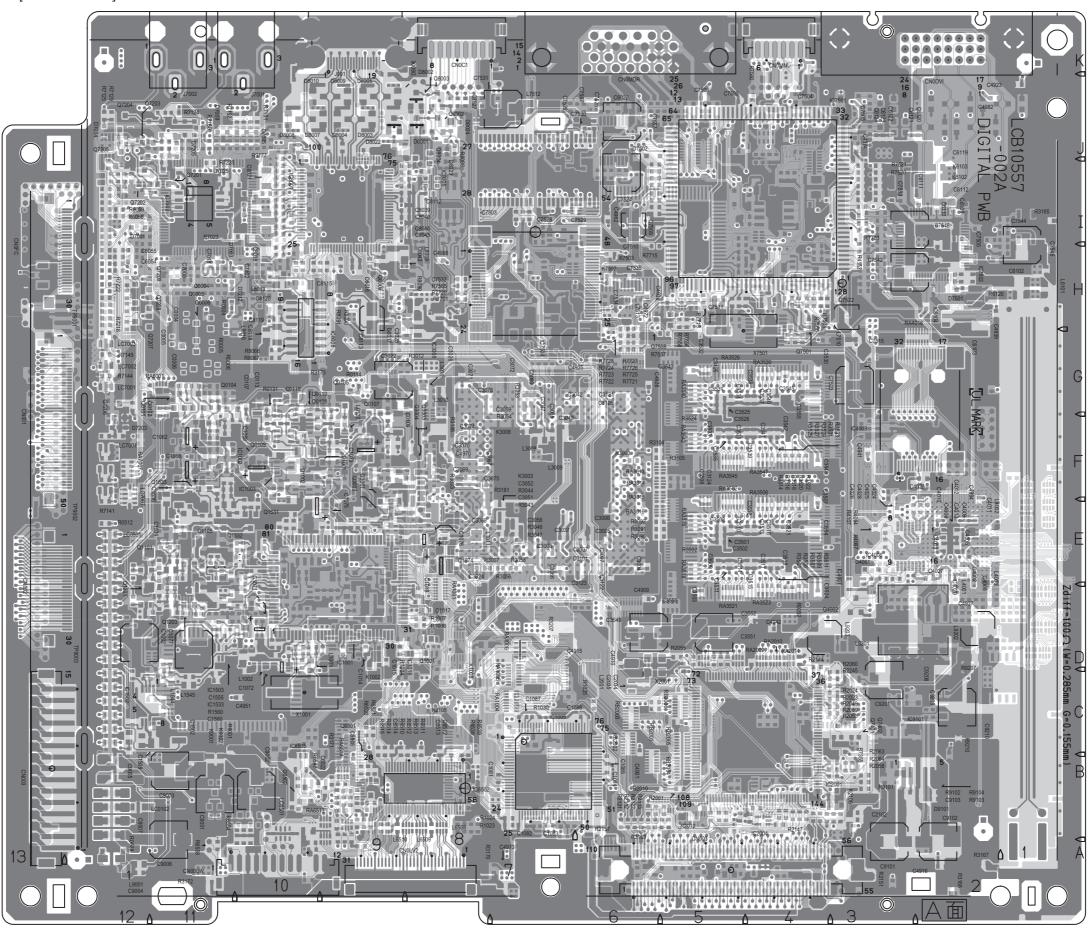




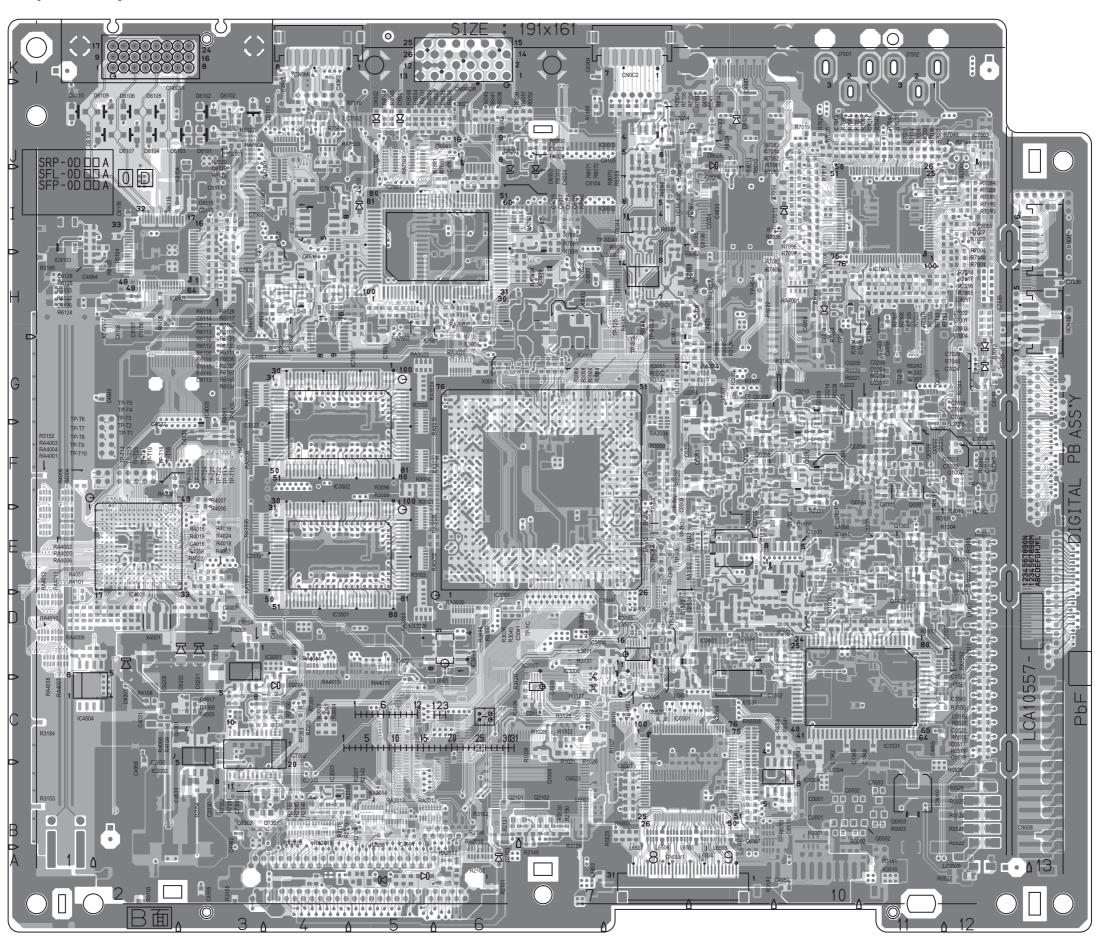




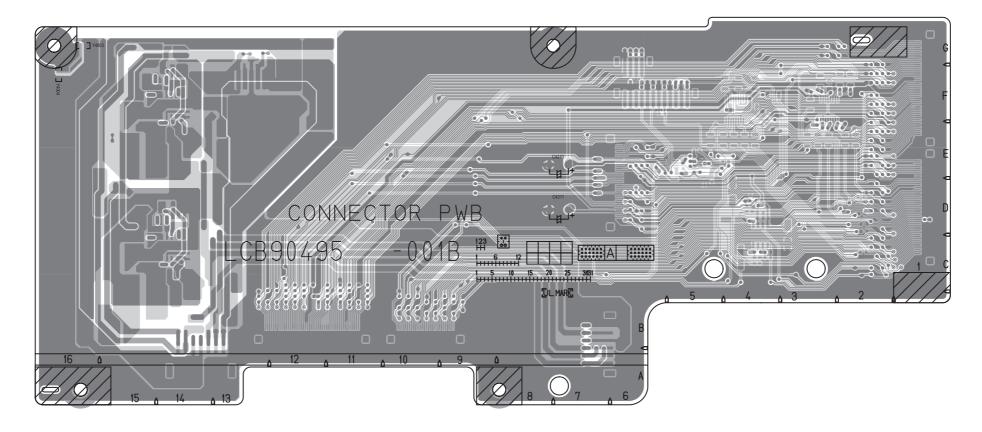






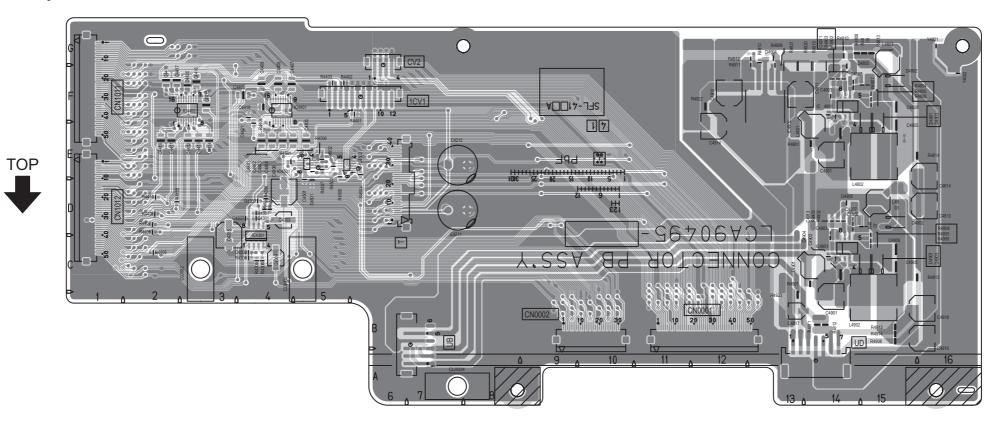


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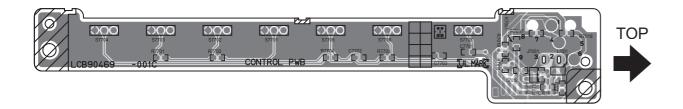


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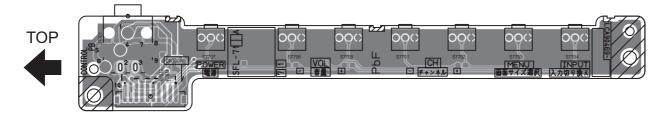
#### CONNECTOR PWB PATTERN [PARTS SIDE]



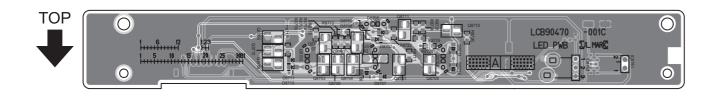
#### FRONT CONTROL PWB PATTERN [SOLDER SIDE]



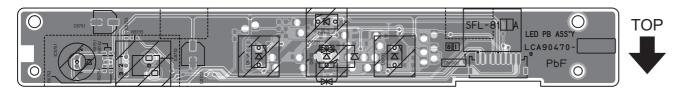
#### FRONT CONTROL PWB PATTERN [PARTS SIDE]

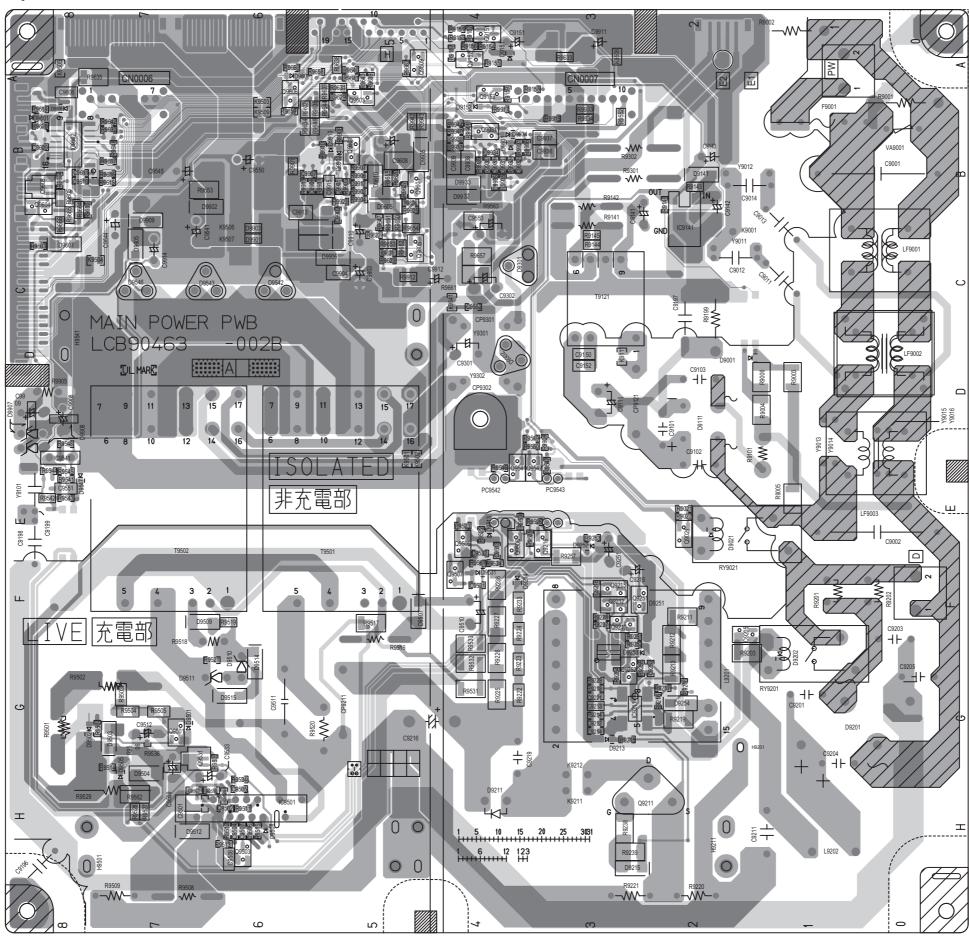


#### FRONT LED PWB PATTERN [SOLDER SIDE]

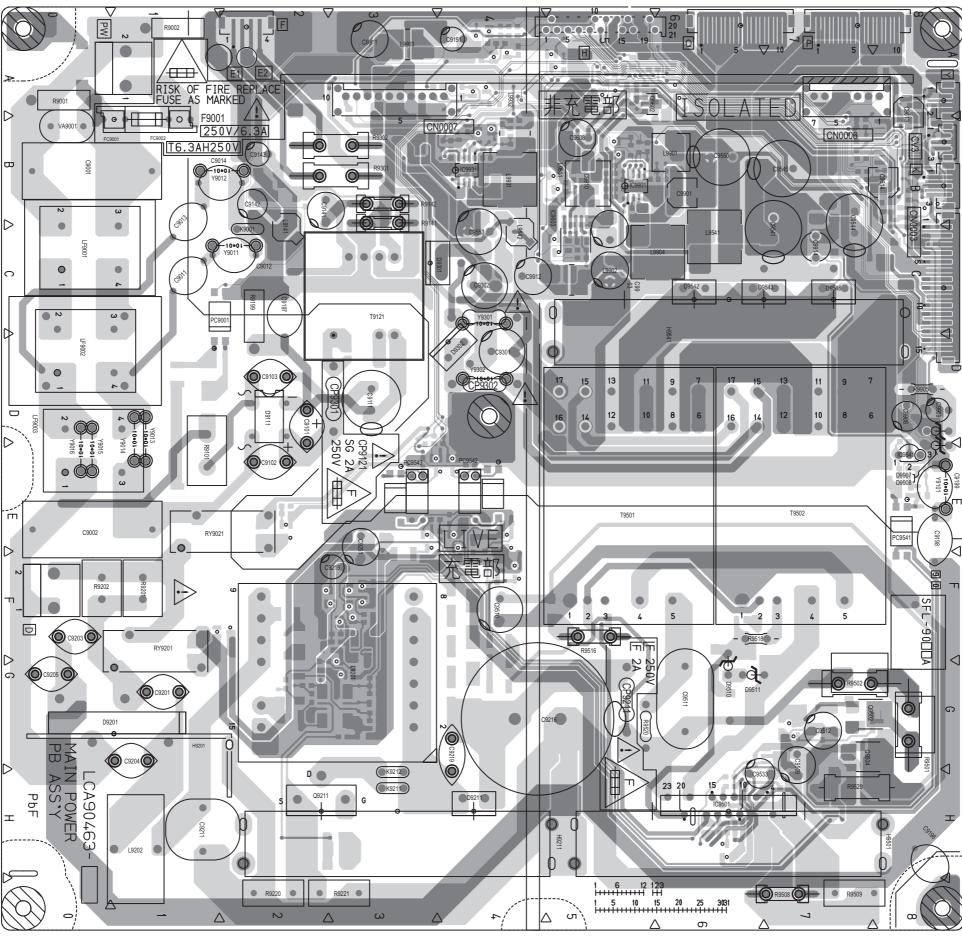


#### FRONT LED PWB PATTERN [PARTS SIDE]

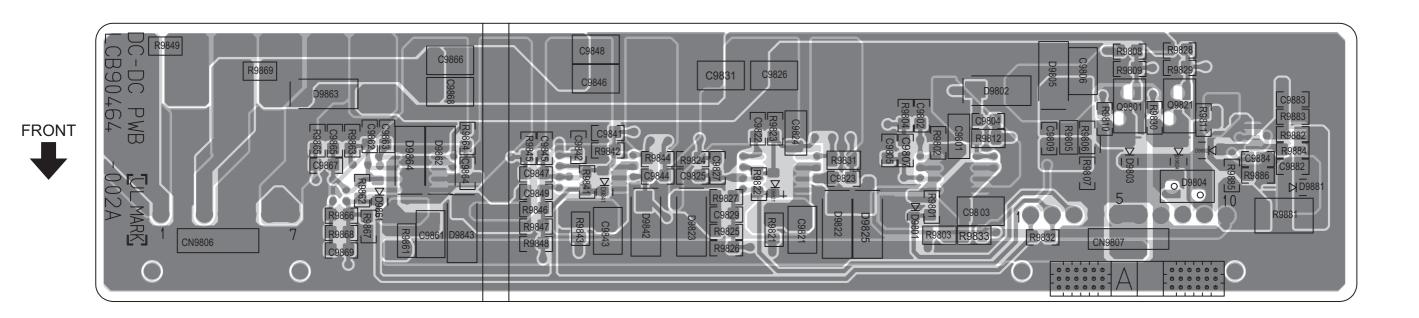




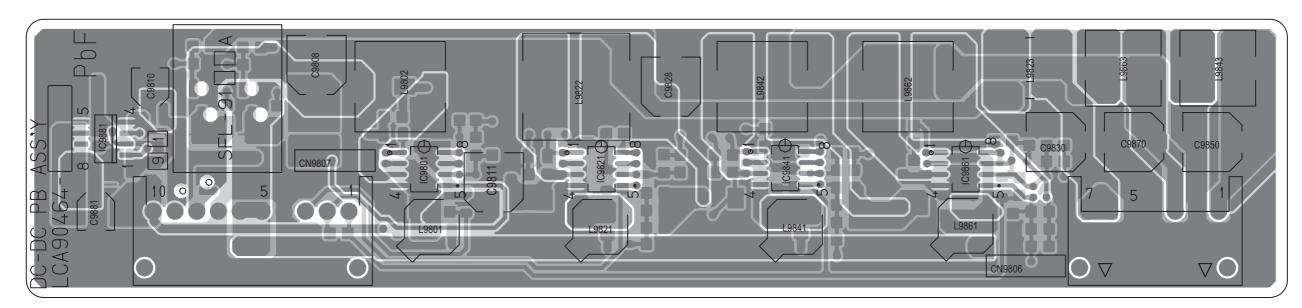








#### REGULATOR PWB PATTERN [SOLDER SIDE]





### VOLTAGE CHARTS \*RECIEVER PWB> \*\*RECIEVER PWB>

<reciever pwi<br="">[P.2-9 - P.2-10]</reciever>	3>																					
MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)	MODE PIN NO. DC (V)
IC3501	Q3001	61 4.5	15 4.8	Q801	25 1.6	56 0	IC6551	Q6661	Q0110	5 0.6	87 0.7	72 0	12 0	57 0.4	53 1.3	20 0	CN000W	35 0	Q7203	65 1.3	28 0	15 3.4
1 5.1	E 2.1	62 4.5	16 5.2	E 2.8	26 1.5	57 4.7	1 6.3	E 16.0	1 0	6 0.2	88 0.8	73 0	13 0	58 1.3	54 1.3	21 0.1	1 0	36 3.3	E 1.9	66 1.3	29 0	16 3.3
2 1.5 3 1.5	C 9.0 B 2.8	63 5.0 64 4.5	1 2.4	C 0 B 2.1	27 0	58 0 59 4.6	3 6.2	C -16.4 B 16.0	2 0.6 3 0.6	Q0311 E 0	89 1.7 90 1.2	74 0 75 3.4	14 0 15 0	59 2.6 60 1.2	55 1.2 56 0.4	22 0	3 0	37 0 38 3.3	C 4.9 B 0.5	67 0.6 68 0	30 0	1 6.2
4 0	Q3502	IC502	2 2.0	Q802	29 0	60 0	4 0	Q6662	4 0.1	C 3.5	91 2.4	76 3.3	16 5.3	61 1.3	57 0.4	24 0	4 0	39 3.2	Q7204	69 3.3	32 0	2 24.0
5 2.4 6 2.3	E 0 C 8.9	1 4.3	3 1.3 4 0	E 2.6	30 0.1 31 5.2	61 4.6 62 0.5	5 6.1 6 6.2	E -16.5 C -0.9	5 0.5 6 0.1	B 0	92 1.2	77 0 78 0	1 0	62 0 63 1.2	58 1.3 59 2.6	25 1.0 26 1.1	5 0 6 0	40 2.9 41 0	E 0	70 0.3 71 2.9	33 0 34 0	3 1.5
7 0	B 0	3 9.0	5 2.3	B 2.0	32 1.6	63 4.4	7 6.3	B -16.4	Q0201	[P.2-25 - P.2-26]	94 0	79 0	2 0	64 1.3	60 1.3	27 1.1	7 0	42 0	B 0.6	72 0.3	35 0	5 1.2
8 0	Q3503 E 0	4 3.3 5 0	6 5.2 7 2.6	Q804 E 1.5	33 0 34 2.2	64 4.4 65 0	8 12.1 IC6552	Q6663 E 0	E 3.0 C 7.7	MODE PIN NO. DC (V)	95 0.7 96 2.4	80 0	3 0 4 0	65 2.6 66 0	61 1.3 62 0	28 1.1 29 0.7	8 0 9 1.2	43 0	Q7205 E 0	73 3.3 74 3.3	36 0 37 3.3	6 0.9
10 2.6	C 5.1	6 9.0	8 0	C 5.2	35 2.5	66 4.6	1 6.2	C 15.9	B 3.7	IC1001	97 1.9	82 0	5 3.3	67 2.6	63 1.2	30 3.3	10 0	45 1.5	C 0.6	75 2.9	38 3.3	8 1.1
11 5.1 12 4.8	B 0 TU3002	1 4.6	9 0.3	B 2.1 Q805	36 2.2 37 0	67 4.6 68 4.6	3 6.1	B 0 Q6673	Q0202 E 8.5	1 2.5 2 0.1	98 0 99 1.1	83 0 84 0	1 3.3	68 1.3 69 1.3	64 1.3 65 2.6	31 0 32 3.3	11 1.4 12 0	46 3.3 47 3.3	B 0 Q7206	76 3.1 77 1.5	39 0 40 0	Q7501 E 2.2
13 4.9	1 32.1	2 3.0	11 2.5	E 1.6	38 0	69 0	4 0	E 11.6	C 3.8	3 1.2	100 1.4	85 0	2 0.2	70 0	66 0	IC4004	CN0LV2	48 3.3	E 0	78 3.1	41 0	C 0
14 0 15 2.5	2 5.0 3 5.1	3 9.0 4 2.7	12 5.2 13 4.8	C 5.2 B 2.1	39 0 40 1.7	70 4.4	5 6.1 6 6.2	C 0 B 12.0	B 7.8 Q0203	5 3.4	1 3.3	86 0 87 0	3 0 4 0	71 1.2 72 1.2	67 2.6 68 1.3	2 0	2 0	49 3.3 50 3.3	C 3.2 B 0	79 3.1 80 3.1	42 0.2 43 0	B 1.5 Q7508
16 1.1	4 5.2	5 0	14 4.8	Q806	41 0	72 0	7 6.2	B 12.0	E 0	6 1.6	2 0	88 3.4	5 0	73 2.6	69 1.3	3 0	3 1.4	51 3.3	Q7207	81 3.1	44 0.2	E 0
17 1.2 18 0	5 0	6 2.3 Q507	15 0 16 0	E 1.5 C 5.2	42 5.2 43 0	73 5.2 74 4.7	8 12.1 IC6621	[P.2-19 - P.2-20]	C 1.9	7 1.6 8 0	3 3.4 4 1.3	89 0 90 0	6 0.3 7 3.3	74 1.3 75 1.3	70 0	5 3.4	4 1.1 5 0	52 3.3 53 3.3	E 3.3 C 3.2	82 3.3 83 3.2	45 0.3 46 0	C 0 B 0.9
19 5.1	7 NC	E 4.3	17 0	B 2.1	44 0	75 4.7	1 -9.9	MODE PIN NO. DC (V)	Q0204	9 0	5 2.5	91 0.2	8 3.3	76 0	72 1.3	6 3.4	6 0	54 3.3	B 0	84 0	47 0.3	В 0.9
20 0	8 NC 9 NC	C 0 B 3.7	18 0 19 0	Q807 E 1.5	45 1.9 46 5.2	76 4.7 77 0	3 0	1C902 1 4.9	E 4.5 C 0	10 1.5	1 1.5	92 0	1 0.3	77 1.3 78 1.3	73 2.6 74 1.3	7 0 8 3.3	7 1.4 8 1.1	55 3.3 56 3.3	Q7208 E 3.3	85 3.3 86 0	48 0.3 49 3.3	<connector pwb=""></connector>
22 5.1	9 NC 10 NC	Q508	20 2.5	E 1.5 C 5.2	47 2.2	78 4.4	4 -16.5	2 0	B 3.8	11 0 12 0	2 0	94 0	2 0.1	79 2.6	75 1.3	6 3.3	9 0	57 0	C 3.3	87 2.5	50 0.3	[P.2-43 - P.2-44]
23 0	11 NC	E 2.8	21 1.7	B 2.2	48 0	79 4.4 80 0	5 0	3 3.3 Q901	Q0205	13 0	3 2.5	95 0	3 0.1	80 1.2	76 0	[P.2-33 - P.2-34]	10 0	58 0	B 0	88 3.3	51 0.2	MODE PIN NO. DC (V)
24 0 25 0	12 NC 13 3.1	C 0 B 2.2	22 1.9 23 1.9	Q808 E 1.6	1 0	80 0 Q301	6 0 7 -9.9	E 12.9	E 0	14 0 15 0	4 2.5 IC1005	96 0 97 2.8	5 0	81 1.2 82 0	77 1.3 78 1.3	MODE PIN NO. DC (V)	11 1.3 12 1.1	59 3.3 60 3.3	Q7209 E 3.3	89 3.3 90 3.1	52 0 53 0.2	1 4.6
26 2.0	14 5.0	Q510	24 0	C 5.2	2 5.1	E 3.7	8 15.3	C 0	B 0	16 0	1	98 0	6 0	83 1.2	79 2.6	IC6502	13 0	61 0	C 3.3	91 3.2	54 0 IC7504	2 4.6 3 4.6
27 2.0 28 0	15 2.2 16 3.7	E 0	25 2.6 26 2.6	Q809 2.2	3 0 4 0.1	C 9.0 B 4.4	1 -9.9	B 9.0 Q902	Q0206 E 0	17 1.5 18 0	3 0	99 0 100 3.3	7 0.3 8 3.4	84 1.3 85 0	80 1.2 81 1.3	2 2.2	14 0 15 1.2	62 0.8 63 1.5	B 0	92 2.9 93 0.5	1 0	3 4.6
29 0	17 2.4	B 0	27 2.6	E 1.5	5 0	Q302	2 -10.3	E 5.9	C 0	19 0	4 0	Q1001	IC3008	86 2.6	82 0	3 1.2	16 1.2	64 0.1	[P.2-41 - P.2-42]	94 0.5	2 0	5 4.6
30 0	18 0	Q2051 E 0	28 0	C 5.2 B 2.1	6 0 7 0.1	E 3.7 C 9.0	4 0	C 5.3 B 5.2	B 0.7 Q0207	20 0	6 0	E 0 C 3.3	2 0	87 -0.1 88 -0.1	83 1.3 84 1.3	4 0.8 5 0	17 0 18 0.1	65 0 66 3.3	MODE PIN NO. DC (V)	95 3.1 96 3.1	3 0 4 0	6 4.6 7 4.6
32 0	<analog pwb="" signal=""></analog>		30 0	Q810	8 0	B 4.4	5 16.0	Q903	E 2.7	22 0	7 0.6	B 0	3 0.3	89 -0.3	85 0	6 1.1	19 1.2	67 0	IC7501	97 3.1	5 0	8 9.0
33 8.1 34 6.4	[P.2-11 - P.2-12] MODE   P.C. (14)	B -0.1 Q2052	31 0 32 5.2	E 2.0 C 0	9 0.2	Q303 E 3.6	6 12.1	E 0	C 0 B 1.9	23 0	8 0.9 9 1.5	Q1003 E 1.2	5 3.3	90 -0.1	86 2.6 87 -0.5	7 1.2 8 2.5	20 1.2	68 3.3 69 3.3	1 3.2 2 1.1	98 3.3 99 3.3	6 0 7 0	
35 0	PIN NO. DC (V)	E 0	33 2.6	B 1.4	11 0.2	C 9.0	8 -16.5	B 0.7	Q0208	25 0	10 1.5	C 2.4	IC3403	92 0	88 -0.4	9 3.3	22 0	70 0	3 1.1	100 0.7	8 0	<front led="" pwb=""> [P.2-46]</front>
36 0 37 3.7	1 3.9	C 0 B -0.2	34 2.6 35 2.6	Q851 E 1.6	12 0.2 13 0	B 4.4 Q307	9 -3.6		E 1.8 C 9.0	26 0 27 0	11 1.3 12 1.7	B 1.9 Q1004	2 3.3	93 -0.1 94 1.3	90 -0.3	10 0.5	23 0	71 3.3 72 3.3	4 3.2 5 0	101 3.0 102 3.3	9 0	MODE PIN NO. DC (V)
38 3.7	2 4.4	Q2053	36 0	C 0	14 0	E 2.8	11 0	<digatal pwe<br="" signal="">[P.2-21 - P.2-22]</digatal>	B 2.4	28 0	13 1.6	E 3.1	3 0	95 2.6	91 -0.5	12 0	25 0	73 3.3	6 1.1	103 3.4	11 3.3	IC8752
39 0 40 3.8	3 3.9 4 4.5	E 0 C -0.1	37 5.2 38 4.1	B 1.0 Q853	15 0 16 5.0	C 0 B 2.2	12 12.1 13 16.0	MODE PIN NO. DC (V)	Q0209 1 2.4	30 3.3	14 1.4 15 3.4	B 3.7	4 3.4 IC3501	96 2.5 97 1.2	92 0	13 0 14 1.2	26 0 27 5.1	74 3.3 75 0	7 1.1 8 1.0	104 0 105 1.6	12 0 13 0	1 3.2
41 0	5 4.4	B 0	39 1.8	E 2.0	IC301	5 2.2	14 0	IC1502	2 0.2	31 3.2	16 0	Q1005	1 1.3	98 1.3	94 1.3	15 0.5	28 5.1	76 3.3	9 0.9	106 3.3	14 0	3 0
42 2.6 43 0	6 0	Q2151 E 0	40 3.3 41 2.0	C 9.0 B 2.6	1 5.2 2 4.8	[P.2-17 - P.2-18]	15 -3.9 16 -10.3	2 0	3 2.4 4 2.5	32 3.3 33 0	17 0 18 0.3	S 3.4 D 3.3	2 2.6 3 1.3	99 -0.1	95 2.6 96 2.6	16 2.4 17 0.1	29 5.1 30 5.0	77 3.2 78 0	10 1.0 11 0	107 0 108 0.6	15 0 16 3.3	Q8703 E 0
44 0	8 4.3	C 0	42 4.7	Q854	3 4.6	MODE PIN NO. DC (V)	17 -9.9	3 3.6	5 0.2	34 0	19 0.9	G 3.3	4 1.3	IC3502	97 1.3	18 0.8	31 5.1	79 0	12 3.3	109 0.4	17 3.3	C 0
1 4.5	9 4.4	B -0.2 Q2152	43 1.8 44 2.0	E 2.8 C 8.9	5 4.6	1 8.8	Q6301 E 5.3	5 3.6	6 2.5 Q0210	35 0 36 0	20 1.0	Q1006 S 3.3	5 0 6 1.3	1 1.2	98 1.3 99 0	19 0 20 0.9		80 3.0 81 0	13 0 14 3.3	110 0 111 2.5	18 0 19 0	B 3.2 Q8704
2 4.5	11 4.5	E 0	45 5.2	B 3.4	6 0	2 4.0	C 12.1	6 9.0	1 0	37 0	22 0.9	D 3.3	7 1.3	3 1.2	100 1.3	21 -0.5	[P.2-37 - P.2-38] MODE DC (V)	82 3.3	15 0	112 0.3	20 0	E 3.5
3 4.4	12 4.5 13 0	C 0 B -0.2	46 2.0 47 3.9	Q855 E 2.0	7 4.6 8 5.0	3 0.3 4 0.5	B 5.9 Q6302	7 3.7 8 0	3 0.6	38 0 39 0	23 1.0 24 1.2	G 3.3 Q1101	8 2.6 9 1.2	4 1.3 5 0	1 0	22 0	MODE PIN NO. DC (V)	83 3.3 84 3.3	16 0 17 0	113 0.3 114 0.2	21 0	C 3.3 B 0
5 4.5	14 0	Q2153	48 1.8	C 0	9 4.7	5 4.0	E 5.3		4 0.2	40 0	25 1.0	E 2.6	10 1.3	6 1.2	2 2.6	24 1.1	1 0	85 3.3	18 0	115 0	23 0	Q8710
6 4.5 7 4.5	15 3.9 16 4.4	E 0 C -0.2	1 1.3	B 1.4 Q858	10 0.5 11 4.4	7 0	C 12.1 B 5.9	[P.2-23 - P.2-24]	5 0.6 6 0.2	41 0	26 3.4 27 0	C 9.0 B 3.2	11 0 12 1.3	7 1.3 8 2.6	3 1.3 4 1.3	25 1.7 26 3.2	3 0	86 3.3 87 3.3	19 0 20 0	116 2.5 117 0	24 0 25 0	E 0 C 0.1
8 9.0	17 3.9	B 0	2 3.2	E 2.8	12 4.5	8 0	Q6421	MODE PIN NO. DC (V)	Q0301	43 0.6	28 0	Q1103	13 1.3	9 1.3	5 2.6	27 3.3	4 0	88 0	21 2.4	118 0	26 3.3	B 3.1
1 8.9	18 4.4 19 4.5	Q2171 E 4.7	3 5.2 4 2.6	C 9.0 B 3.4	13 0 14 4.6	9 4.0	E 0 C 5.2	1 3.3	E 3.0 C 7.7	44 1.0 45 0	29 0.1 30 0.2	E 1.6	14 2.6 15 2.6	10 1.3	6 2.6 7 2.6	28 0 29 0	5 3.3 6 3.3	89 3.3 90 3.3	22 0	119 2.4 120 0	27 0 28 3.3	Q8711 E 0
2 0	20 0	C 4.4	5 0	Q859	15 0	11 0.5	B 0.3	2 0.1	B 3.8	46 1.5	31 0	B 0.9	16 0	12 1.1	8 1.3	30 2.4	7 0	91 3.2	24 1.6	121 0.5	29 0	C 0
3 8.1 IC3505	21 0	B 0 Q2172	6 1.9 7 2.4	E 3.4 C 0	16 4.7 17 0	12 0.2 13 4.0	Q6431 E 9.0	3 0 4 3.2	Q0302 E 8.5	47 1.5 48 1.4	32 0 33 0	Q1201 E 3.8	17 1.2 18 1.3	13 1.3 14 2.6	Q3001 E 2.2	31 1.5 32 3.3	8 3.3	92 0	25 0 26 1.6	122 0 123 2.4	30 0	B 3.2
1 0.6	23 4.5	E 0	8 0	B 2.8	18 4.6	14 0	C -0.1	5 3.4	C 3.8	49 1.7	34 0	C 9.0	19 0	15 2.6	C 3.3	33 0	[P.2-39 - P.2-40]	94 0	27 1.9	124 2.4	32 0	
2 1.2 3 1.1	24 3.9 25 4.4	C 4.8 B 0	9 0	Q862 E 1.0	19 0.5 20 4.4	1 16.0	B 8.9 Q6521	Q0101 E 3.1	B 7.7 Q0303	50 0 51 1.5	35 1.4 36 3.4	B 4.4 Q1203	20 1.2	16 0 17 1.3	B 2.8 Q3002	34 3.4 35 0	MODE DC (V)	95 3.3 96 0	28 3.2 29 0	125 2.4 126 2.9	33 0 34 0.1	
4 0	26 4.5	Q2173	11 5.1	C 4.1	21 4.4	2 3.0	E 0	C 7.7	E 0	52 0	37 0	E 2.0	22 2.6	18 1.2	E 2.9	36 0	IC7001	97 0	30 0	127 0.9	35 0	
5 0 6 0	27 0 28 4.9	E 0	12 0	B 1.6 Q863	22 0	3 12.1 4 2.6	C 0 B 0	B 3.8 Q0102	C 1.9 B 0	53 2.5 54 1.5	38 0 39 0	C 0 B 1.4	23 0.4 24 0.4	19 0 20 1.3	C 0 B 2.2	37 1.3 38 1.2	1 0	98 0 99 3.3	31 0 32 3.2	128 0 IC7502	36 0 37 3.3	
7 0.6	29 4.4	B 3.8	13 5.2 14 0	E 3.5	24 0	5 0	Q6522	E 8.4	Q0304	55 1.3	40 3.4	Q1301	25 1.8	21 1.3	Q3003	39 1.3	3 3.3	100 3.4	33 2.9	1 3.3	37 3.3 38 0	
8 2.5 IC3506	30 3.9 31 4.5	Q2451 E 0	15 4.8 16 4.7	C 5.1 B 4.1	25 0 26 4.3	1 6.1	E 0	C 3.6 B 7.7	E 4.6 C 0	56 0 57 0	41 0 42 0	E 3.7 C 9.1	26 1.3 27 1.8	22 2.6 23 0.4	E 0.7 C 3.3	40 1.2	4 0	1 0	34 1.3 35 2.2	3 0	39 0 40 0	
1 0	32 9.0	C 0	17 0	B 4.1	27 4.3	2 6.1	B 0	Q0104	B 3.8	58 1.5	43 0	B 4.3	28 0	24 0.4	C 3.3 B 1.3	41 1.1 42 1.3	5 0 6 0	2 0	36 1.6	4 0	41 0	
2 0.5 3 0	33 4.6 34 4.8	B 0	18 0	[P.2-15 - P.2-16]	28 0	3 6.1	Q6523	E 4.4 C 0	Q0305 E 0	59 1.5	44 0	Q1303	29 0.7 30 .0.7	25 1.3	Q3004	43 0	7 3.3	3 0 4 0	37 1.3 38 0	IC7503	42 0	
4 0.9	35 0	Q2452 E 0	19 2.5 20 5.2	MODE PIN NO. DC (V)	29 0 30 4.3	4 6.1 5 6.1	E 0	B 3.6	E 0 C 0.2	60 0	45 0.2 46 0	E 2.5	31 0.7	26 1.3 27 1.3	E 1.4 C 0	44 3.4 45 1.1	9 0	5 3.3	39 3.0	1 3.2 2 0.2	43 0.1 44 0	
5 5.1	36 3.8	C 0	21 0	IC201	31 9.0	6 6.1	B 0	Q0105 E 0	B 0	62 0	47 2.7	B 1.8	32 0.7	28 0	B 0.8	46 1.4	10 3.3	6 3.3	40 1.1 41 0	3 3.3	45 0	
1C3507 0	37 4.4 38 4.5	B 0 Q2453	22 2.7 23 2.7	2 0	32 4.4 33 4.5	7 6.1 8 6.1	Q6531 E 0	C 0	Q0306 E 0	63 1.0 64 3.4	48 0 49 0	Q1401 E 3.7	33 0.7 34 0.7	29 0.7 30 0.7	[P.2-31 - P.2-32]	47 1.1 48 1.4	11 3.2 12 3.3	7 0 8 3.3	41 0	4 0.3 5 0.3	46 0 47 3.3	
2 1.1	39 3.7	E 0	24 3.5	3 0	34 0	9 0.9	C 2.8	B 0.6	C 0	65 1.2	50 3.3	C 9.0	35 2.6	31 0.7	MODE PIN NO. DC (V)	49 0	13 3.1	IC7003	43 0.9	6 0	48 3.3	
3 0 4 0.6	40 4.5 41 4.4	C 0 B 0	25 3.4 26 0	5 2.2	35 4.4 36 4.4	10 6.1 11 3.0	B 0 Q6532	Q0107 E 1.5	B 0.7 Q0307	66 1.0 67 0	51 1.0 52 1.2	B 4.4 Q1403	36 0.7 37 0	32 0.7 33 0.7	IC4003	50 0.5 51 0.9	14 3.3 15 3.3	1 3.3	44 3.3 45 3.3	7 0.3 8 0.3	1 4.8	
5 2.5	42 9.0		27 3.4	6 0	37 0	12 3.0	E 0	C 0	E 2.5	68 0.9	53 0.9	E 2.5	38 0	34 0.8	1 0	52 0.6	16 3.2	3 3.3	46 1.1	9 3.3	2 0	
1C3508	43 4.5 44 4.3	[P.2-13 - P.2-14]	28 1.6 Q402	7 0 8 1.8	38 4.4 39 4.5	13 4.7 14 4.8	C 0 B 0.6	B 0.9 Q0108	C 0 B 1.9	69 0.9 70 1.5	54 0.9 55 0	C 0 B 1.9	39 0 40 0	35 2.6 36 0.7	3 -0.1	53 0 54 0.7	17 3.3 18 3.3	5 3.3	47 1.9 48 0	10 0.3 11 0.3	3 1.2 4 2.5	
2 2.5	45 4.5	MODE PIN NO. DC (V)	S 3.1	9 0	40 4.5	15 0	Q6533	E 0.9	Q0308	71 0.9	56 0.9		41 0	37 0	4 0	55 0.5	19 0	6 3.3	49 0	12 0	5 3.3	
3 0 4 1.2	46 3.7 47 4.4	1 5.2	D 3.0 G 4.8	10 2.9	41 4.5 42 0	16 12.1 17 0	E 0	C 9.0 B 1.5	E 1.8 C 9.0	72 0.9 73 0	57 0.9 58 0.9	[P.2-29 - P.2-30]	42 0	38 1.0 39 0	5 0 6 0	56 0.1 Q4001	20 3.3	7 3.3 8 3.3	50 3.3 51 1.0	13 0.2 14 3.3	1 0.3	
5 2.5	48 0	2 0	Q403	12 2.9	43 4.3	18 0	B 0.6	Q0109	B 2.4	74 2.4	59 2.4	MODE PIN NO. DC (V)	44 0	40 0	7 3.3	E 0	22 3.3	IC7401	52 0	15 0	2 3.4	
1 0	49 4.8 50 4.5	3 4.6 4 4.6	S 3.1 D 3.0	13 0 14 2.3	44 4.4 45 0	19 6.1 20 5.9	Q6534 E 0.7	1 1.5 2 0.1	Q0309 1 2.3	75 0.3 76 0	60 3.3	1 3.3	45 0.7 46 0	41 0	8 3.3 9 0	B 0.5	23 1.5 24 1.5	2 3.3	53 3.3 54 1.9	16 3.3 17 0	3 0.2 4 0.2	
2 2.2	51 4.5	5 0.3	G 4.7	15 0	46 4.3	21 6.1	C 0.6	3 0	2 0.2	77 1.7	62 0	2 0	47 0.7	43 0	10 0	Q6501	25 3.3	3 0	55 1.6	18 0	5 0.2	
3 0	52 4.5 53 4.4	6 4.6 7 0.3	Q404 S 3.1	16 1.7 17 0	47 8.9 48 4.7	22 6.1 23 6.1	B 0.1 Q6538	4 1.5 5 0.1	3 2.5 4 2.5	78 1.6 79 0	63 1.4 64 1.6	3 1.0 4 0.2	48 0.7 49 0.7	44 0 45 0.7	11 0 12 0	E 0 C 3.3	26 3.3 27 0	4 3.3 Q7201	56 1.0 57 1.0	19 3.3 20 0	6 0 7 0	
5 2.5	54 4.5	8 0	D 3.3	18 4.8	49 0	24 6.1	E 0	6 1.5	5 0.2	80 1.1	65 1.7	5 3.3	50 0.8	46 0	13 0	B -0.2	28 3.3	E 4.9	58 0.7	21 0	8 0	
1C3510 1 2.5	55 3.7 56 4.0	9 5.3	G 5.2 Q405	19 4.8 20 0	50 4.7 51 0	25 6.1 26 6.1	C 0 B 0		6 2.5 Q0310	81 -0.1 82 1.7	66 1.3 67 3.4	6 1.0 7 0	51 0.7 52 0	47 0.7 48 0.8	14 0 15 0	Q6502 E 0	29 3.3 30 3.3	C 4.8 B 4.2	59 1.0 60 0	22 0	9 0	
2 0	57 0	11 5.2	S 3.1	21 4.2	52 4.7	27 6.1	Q6539		1 0	83 1.2	68 1.5	8 0.1	53 1.3	49 0.7	16 0	C 0	31 3.3	Q7202	61 3.3	24 0	11 0	
3 5.1 4 5.1	58 0 59 4.4	12 5.3 13 0	D 3.3 G 5.2	22 3.4	53 0 54 4.4	28 6.1 29 6.1	E 0		2 0.6 3 0.6	84 0 85 0	69 1.5 70 1.0	9 0	54 1.4 55 1.2	50 0.7 51 0.7	17 0 18 0	B 0	32 3.3 33 0	E 1.9 C 4.2	62 1.0 63 0.3	25 0 26 0	12 3.3 13 0.1	
	60 3.8	14 4.8		24 0	55 4.4	30 6.1	B 0		4 0.1	86 2.4	71 0.6	11 0	56 0.4	52 0	19 0		34 3.3	B 2.4	64 0.2	27 3.3	14 3.4	

(No.YA296)2-71

2-72(No.YA296)

#### <POWER PWB>

P.2-47 -	P.2-481						
MODE PIN NO.	DC (V)		MODE PIN NO.	DC (V)		MODE PIN NO.	DC (V)
IC9141			Q9501		1	IC9881	
1	5.6	1	E	0	1	1	0
2	0	1	С	0	1	2	4.6
3	4.9		В	0.7	1	3	3.5
IC9211			Q9502		]	4	0
1	2.5	1	S	0	1	5	0
2	2.1	1	D	375.1	1	6	0
3	1.5		G	1.0	1	7	0
4	0.1	1	Q9503		1	8	9.2
5	4.6	1	E	0	1	Q9801	
6	0	1	С	0.1	1	Е	0
7	4.1	1	В	0.6	1	С	0
8	20.0	1	Q9504		1	В	0.6
Q9021		1	S	22.4	1	Q9821	
Е	0	1	D	37.4	1	Е	0
С	0	1	G	20.8	1	С	0
В	0.7	1	Q9506		1	В	0.6
Q9211		1	Е	0	1		
S	0.1	1	С	10.0	1		
D	209.5	1	В	0.1	1		
G	4.1		Q9541		]		
Q9212		1	Е	0	1		
Е	0	1	С	0	1		
С	10.0	1	В	3.2	1		
В	0	1	Q9602		1		

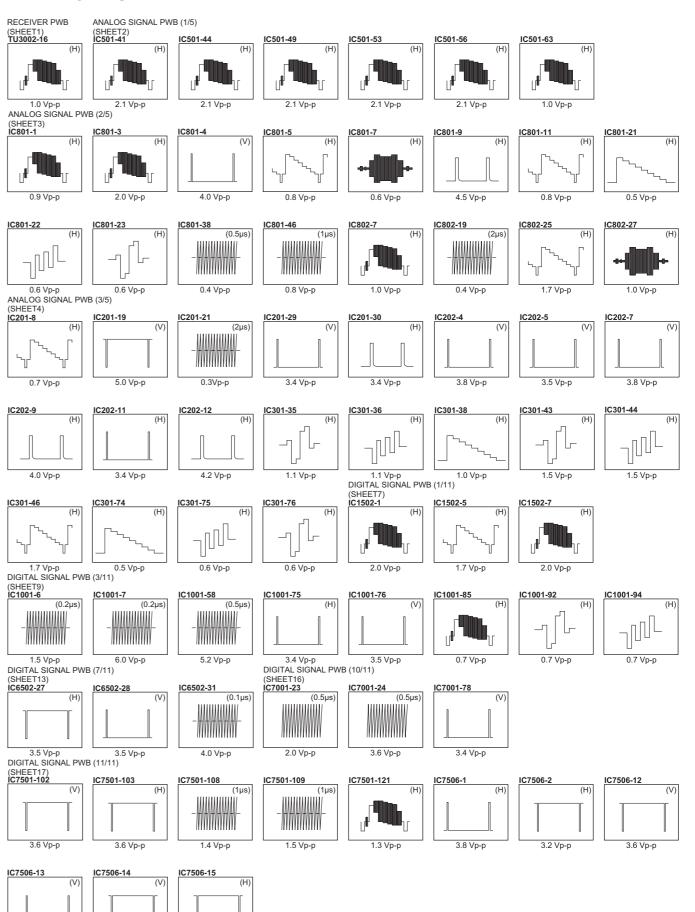
Q9603 E

CN000P 1 24.0

### 

PIN NO.	DC (V)						
IC9501		<regula< td=""><td>TOD DW</td></regula<>	TOD DW				
4	0						
7	20.1	MODE					
8	0	PIN NO.	DC (V)				
10	4.9	IC9801					
11	1.1	1	9.7				
12	5.0	2	24.0				
13	3.0	3	5.2				
14	0.8	4	0				
15	4.9	5	1.2				
16	1.3	6	1.0				
19	250.5	7	6.1				
20	249.1	8	1.1				
23	375.8	IC9821					
IC9541		1	9.7				
1	2.4	2	24.0				
2	0	3	5.2				
3	10.6	4	0				
IC9602		5	1.1				
1	0	6	1.0				
2	4.8	7	5.1				
3	4.8	8	1.1				
4	5.3	IC9841					
5	0.1	1	8.1				
6	5.3	2	24.0				
7	0	3	3.3				
8	0	4	0				
9	0	5	1.2				
10	0	6	0.9				
11	5.3	7	3.3				
12	0	8	1.1				
13	5.3	IC9861					
14	0	1	7.5				
15	0	2	24.0				
16	0	3	2.8				
IC9901		4	0				
1	13.4	5	1.2				
2	24.0	6	1.0				
3	9.0	7	3.1				
4	0	8	1.1				

#### **WAVEFORMS**



3.4 Vp-p

3.6 Vp-p





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## JVC

### SERVICE MANUAL

WIDE LCD PANEL TELEVISION

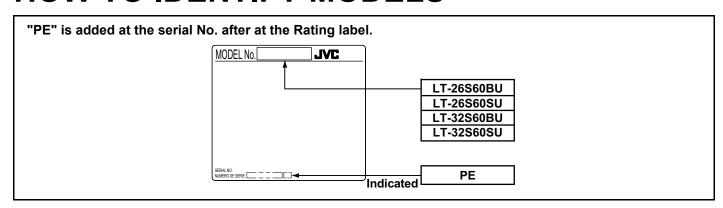
LT-26S60BU/P, LT-26S60SU/P, LT-32S60BU/P, LT-32S60SU/P BASIC CHASSIS

#### **Supplementary**

LT-26S60BU/P, LT-26S60SU/P, LT-32S60BU/P and LT-32S60SU/P is the models whose production place of P.W. BOARD ASS'Y was changed based on LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU. Therefore, this service manual describes only the items which differ from those of the LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU service manual.

For details other than those described in this manual, please refer to the LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU service manual (No.YA296, 2005/6).

#### **HOW TO IDENTIFY MODELS**



#### **DIFFERENCE LIST**

#### USING P.W. BOARD (Page 3-2)

P.W.B ASS'Y Name	P.W.B ASS'Y Name LT-26S60BU LT-26S60SU		DESCRIPTION	
DIGITAL SIGNAL PWB	SFL0D236A-U2	LCA10557-69B (SFL-0D236A)	Compatible	
P.W.B ASS'Y Name	LT-32S60BU LT-32S60SU	LT-32S60BU/P LT-32S60SU/P	DESCRIPTION	
DIGITAL SIGNAL PWB	SFL0D235A-U2	LCA10557-68B (SFL-0D235A)	Compatible	

#### **EXPLODED VIEW PARTS LIST (Page 3-3)**

	EXPLUDED VIEW PARTS LIST (Page 3-3)									
$\Lambda$	Ref. No.	Par	t No.	PART NAME	DESCRIPTION					
	Rei. No.	LT-26S60BU	LT-26S60BU/P	PART NAIVIE	DESCRIPTION					
Λ	103	LC21301-065A-U	LC21301-066A-U	RATING LABEL						
Δ	204	SFL0D236A-U2	LCA10557-69B	DIGITAL SIGNAL PWB						
A D.C.N.		Par	t No.	PART NAME	DESCRIPTION					
<b>A</b>	Ref. No.	LT-26S60SU	LT-26S60SU/P	PART NAME	DESCRIPTION					
Λ	103	LC21301-067A-U	LC21301-068A-U	RATING LABEL						
Δ	204	SFL0D236A-U2	LCA10557-69B	DIGITAL SIGNAL PWB						
		Par	t No.							
Δ	Ref. No.	LT-32S60BU	LT-32S60BU/P	PART NAME	DESCRIPTION					
Λ	103	LC21301-069A-U	LC21301-070A-U	RATING LABEL						
Λ	204	SFL0D235A-U2	LCA10557-68B	DIGITAL SIGNAL PWB						
Δ	Ref. No.	Par	t No.	PART NAME	DESCRIPTION					
		LT-32S60SU	LT-32S60SU/P	.,						
Λ	103	LC21301-071A-U	LC21301-072A-U	RATING LABEL						
Λ	204	SFL0D235A-U2	LCA10557-68B	DIGITAL SIGNAL PWB						

#### PACKING PARTS LIST (Page 3-29)

$\Lambda$	↑ Ref. No.	Par	t No.	DADT NAME	DESCRIPTION				
<u> </u>	Rei. No.	LT-26S60BU	LT-26S60BU/P	PART NAME	DESCRIPTION				
	102	GA10027-011A-U	GA10001-066A-U	EURO LABEL					
		Par	t No.						
Δ	Ref. No.	LT-26S60SU	LT-26S60SU/P	PART NAME	DESCRIPTION				
	102	GA10027-012A-U	GA10001-067A-U	EURO LABEL					
		_		1					
$\Delta$	Ref. No.	Part No.		PART NAME	DESCRIPTION				
	1101.110.	LT-32S60BU	LT-32S60BU/P	TANTINAME	BESOKII HOK				
	102	GA10027-015A-U	GA10001-068A-U	EURO LABEL					
$\Delta$	Ref. No.	Par	t No.	PART NAME	DESCRIPTION				
	IXEI. INO.	LT-32S60SU	LT-32S60SU/P	FAIN NAME	DESCRIPTION				
	102	GA10027-016A-U	GA10001-069A-U	EURO LABEL					

### SECTION 1 PRECAUTION

Please refer to "LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU (YA296)" about this section.

### SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU (YA296)" about this section.

### SECTION 3 DISASSEMBLY

Please refer to "LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU (YA296)" about this section.

### SECTION 4 ADJUSTMENT

Please refer to "LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU (YA296)" about this section.

### SECTION 5 TROUBLESHOOTING

Please refer to "LT-26S60BU, LT-26S60SU, LT-32S60BU and LT-32S60SU (YA296)" about this section.





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